

# **SANYO**

## **TROUBLESHOOTING GUIDE**

### **2010 MODELS**

### **DP26640 & DP32640**

This guide is divided into 4 sections/pages depending on type of defect:

page 1) No Green LED Power Light (LED never turns “ON”)

page 2) Green LED Light is “ON”, but Backlights are not “ON”, or only turn “ON & then OFF”.

page 3) Green LED Light is “ON”, and Backlights are “ON”, but there is no video/OSD.

page 4) Green LED Light turns “ON”, but turns “OFF” within 10 seconds, or LED cycles ON & OFF.

Please select the section/page that matches your defect and follow the flow chart.

These models & chassis versions are in this guide:

DP26640-00

DP26640-01

DP26640-02

DP26640-04

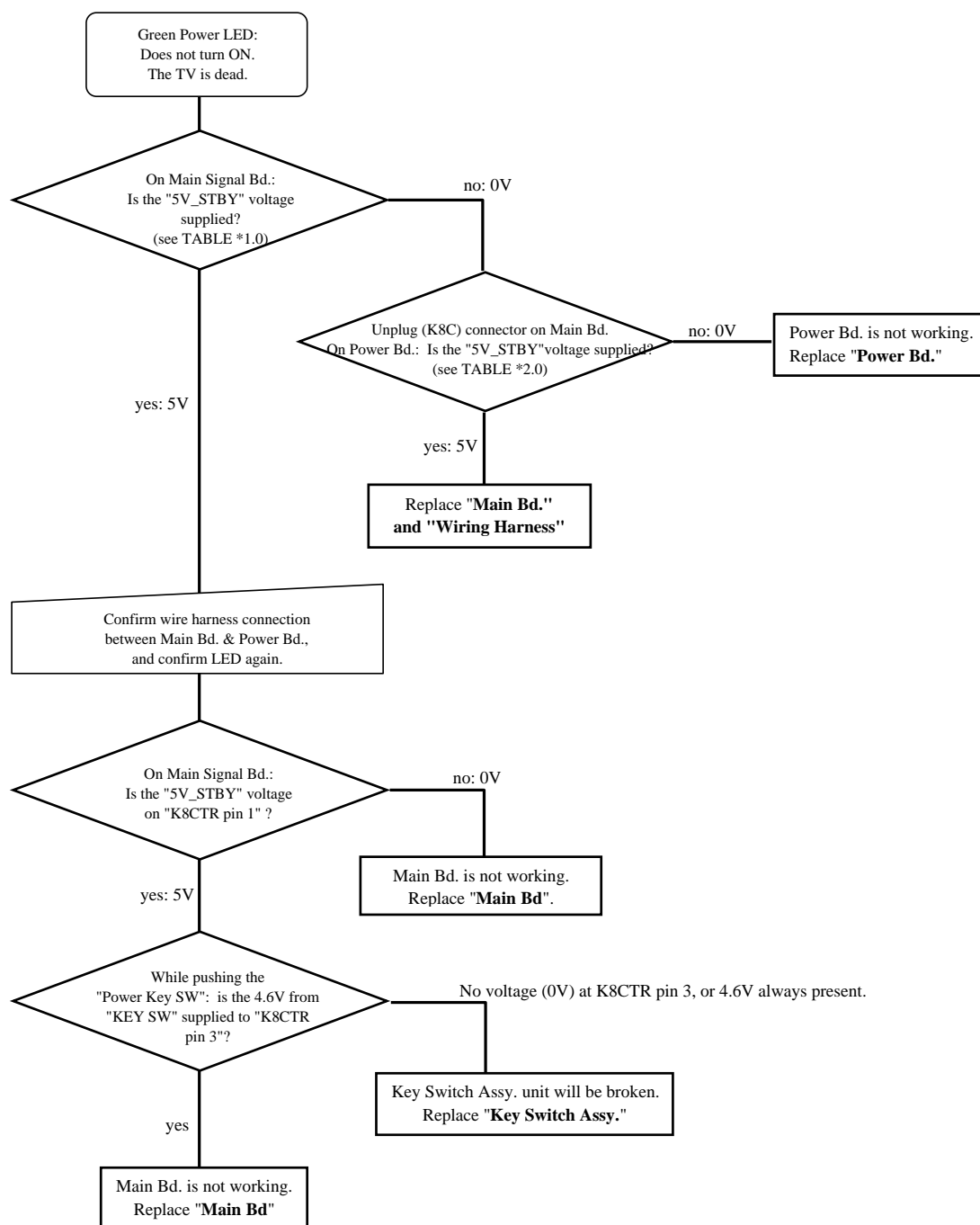
DP32640-00

DP32640-01

DP32640-03

**PLEASE KEEP THIS GUIDE.**  
**IT WILL NOT BE PROVIDED FOR EVERY REPAIR.**

## Green Power LED does NOT turn on. The TV is dead.



(TABLE \*1.0) Main Bd.: 5V\_STBY Test Points

26" Models		32" Models		5V_STBY on Main Bd.	Confirmation Voltage
DP26640-00	N8ME	DP32640-00	N8LE	Main K8C "pin 4"	5 V
DP26640-01	N8MF	DP32640-01	N8LF		
DP26640-02	N8MG	DP32640-03	N8LH		
DP26640-04	N8MH				

(TABLE \*2.0) Power Bd.: 5V\_STBY Test Points

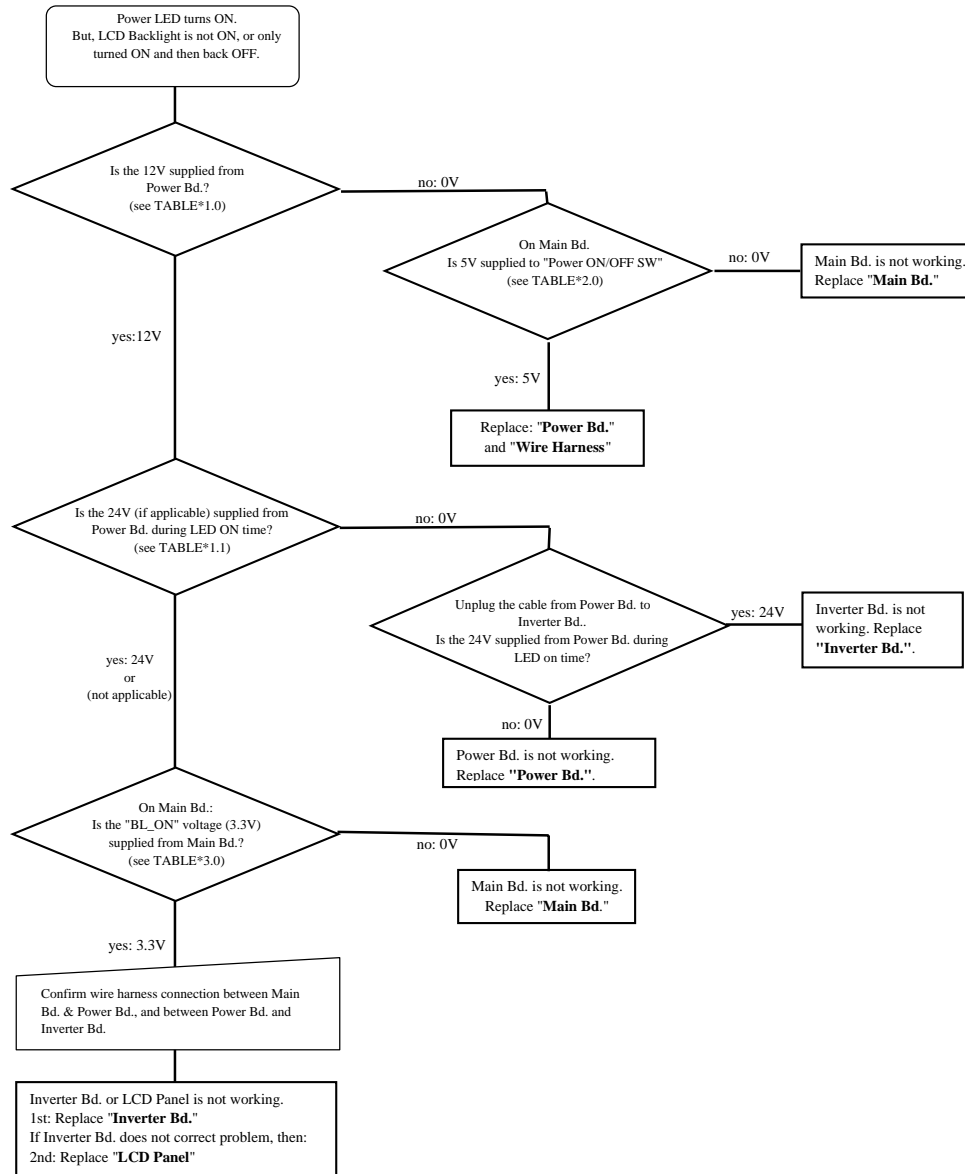
26" Models		32" Models		5V_STBY on Power Bd.	Confirmation Voltage
DP26640-00	N8ME	DP32640-00	N8LE	CN2 "pin 4"	5 V
DP26640-04	N8MH	DP32640-03	N8LH		
DP26640-01	N8MF	DP32640-01	N8LF	K6B "pin 4"	5 V
DP26640-02	N8MG				

# Repair Flow Chart: Trouble Condition

page 2

**Green Power LED is on, but LCD backlights are not on.**

**Backlights do not turn on, or only turn on and back off.**



**(TABLE \*1.0) 12V Test Points**

26" Models	32" Models	12V on Main Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	Main K8C "pin 8"	12 V
DP26640-01 N8MF	DP32640-01 N8LF		
DP26640-02 N8MG	DP32640-03 N8LH		
DP26640-04 N8MH			

**(TABLE \*1.1) 24V Test Points**

26" Models	32" Models	24V on Power Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	n/a	n/a
DP26640-04 N8MH	DP32640-03 N8LH		
DP26640-01 N8MF	DP32640-01 N8LF	Power Bd. K603 "pin 1"	24 V
DP26640-02 N8MG			

**(TABLE \*2.0) Main Bd.: "Power ON/OFF SW" Test Points**

26" Models	32" Models	Power ON/OFF SW on Main Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	Main K8C "pin 1"	5 V
DP26640-01 N8MF	DP32640-01 N8LF		
DP26640-02 N8MG	DP32640-03 N8LH		
DP26640-04 N8MH			

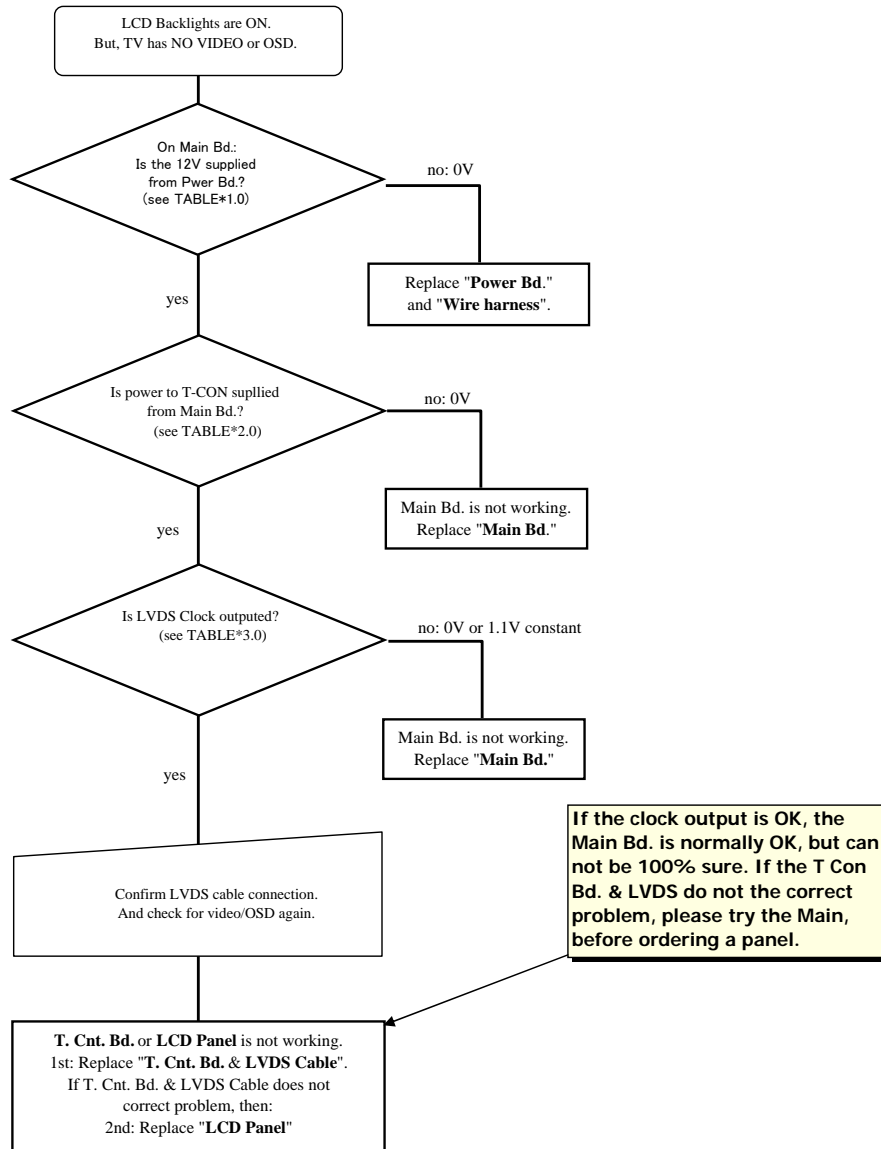
**(TABLE \*3.0) Main Bd.: "BL\_ON" Test Points**

26" Models	32" Models	BL_ON Command	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	Main K8C "pin 13"	3.3 V
DP26640-01 N8MF	DP32640-01 N8LF		
DP26640-02 N8MG	DP32640-03 N8LH		
DP26640-04 N8MH			

# Repair Flow Chart: Trouble Condition

page 3

**Green Power LED and LCD backlights are on, but no video or OSD.**



**(TABLE \*1.0) Main Bd.: 12V Test Points**

26" Models		32" Models		12V on Main Bd.	Confirmation Voltage
DP26640-00	N8ME	DP32640-00	N8LE	Main K8C "pin 8"	12 V
DP26640-01	N8MF	DP32640-01	N8LF		
DP26640-02	N8MG	DP32640-03	N8LH		
DP26640-04	N8MH				

**(TABLE \*2.0) Main Bd.: "T-CON Power supply" Test Points**

26" Models		32" Models		12V on Main Bd.	Confirmation Voltage
DP26640-00	N8ME	DP32640-00	N8LE	Main K5LV "pin 23"	12 V
DP26640-01	N8MF	DP32640-01	N8LF		
DP26640-02	N8MG	DP32640-03	N8LH		
DP26640-04	N8MH				

**(TABLE \*3.0) Main Bd.: "LVDS Clock" Test Points**

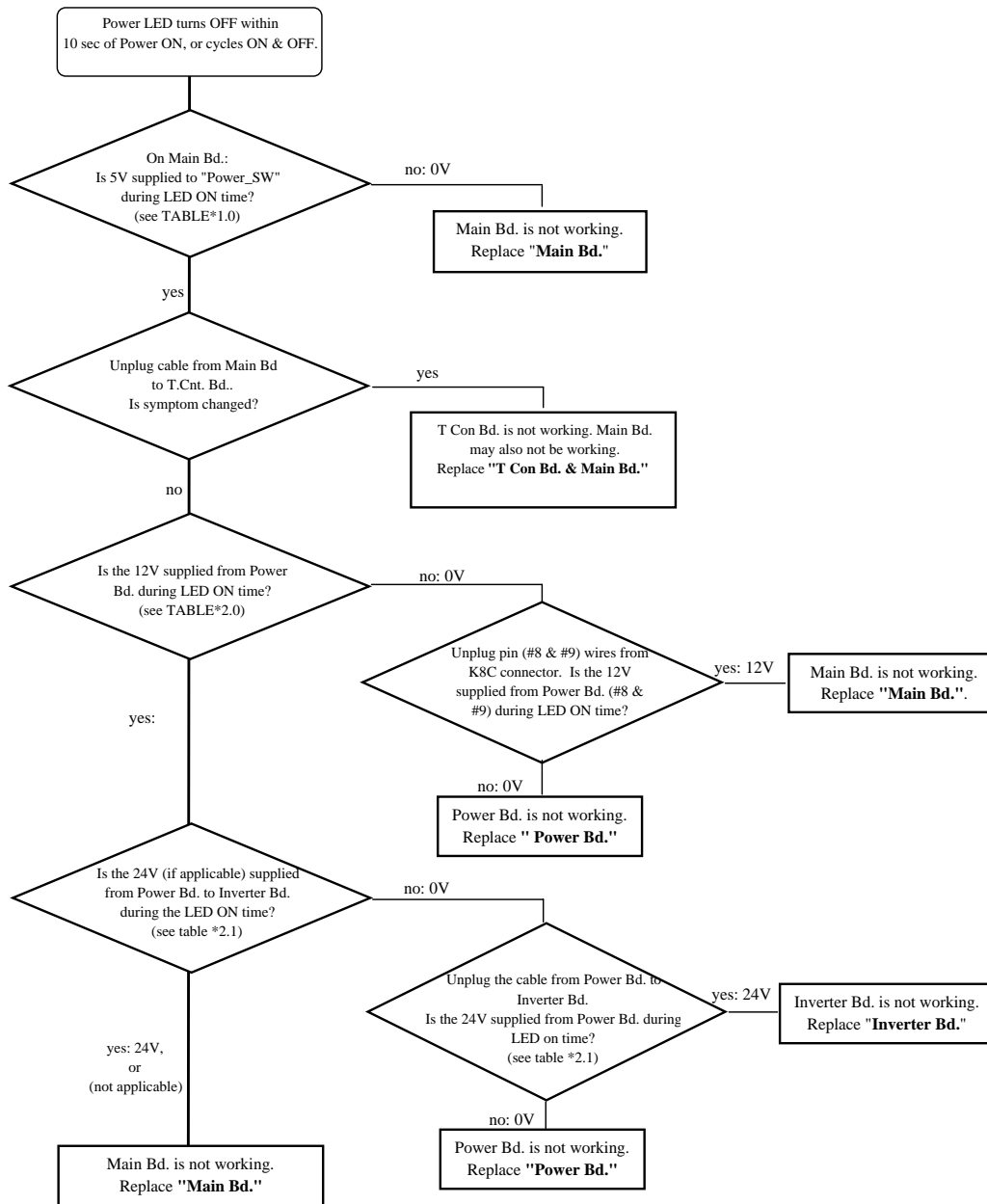
26" Models		32" Models		LVDS Clock on Main Bd.	Confirmation Voltage
DP26640-00	N8ME	DP32640-00	N8LE	K5LV pin #11: Clock - K5LV pin #12: Clock +	Waveform will be 200 - 450 mV 74.25 MHz range = 10-20ns/div
DP26640-01	N8MF	DP32640-01	N8LF		
DP26640-02	N8MG	DP32640-03	N8LH		
DP26640-04	N8MH				

**note: The bandwidth of the oscilloscope and probe must be at least 100 MHz or higher to check if the clock pluse exists**

# Repair Flow Chart: Trouble Condition

page 4

**Power LED turns OFF within 10 sec of Power ON, or LED cycles ON & OFF.**



**(TABLE \*1.0) Main Bd.: "Power ON/OFF SW" Test Points**

26" Models	32" Models	5V on Main Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	Main K8C "pin 1"	5 V
DP26640-01 N8MF	DP32640-01 N8LF		
DP26640-02 N8MG	DP32640-03 N8LH		
DP26640-04 N8MH			

**(TABLE \*2.0) 12V Test Points**

26" Models	32" Models	12V on Main Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	Main K8C "pin 8"	12 V
DP26640-01 N8MF	DP32640-01 N8LF		
DP26640-02 N8MG	DP32640-03 N8LH		
DP26640-04 N8MH			

**(TABLE \*2.1) 24V Test Points**

26" Models	32" Models	24V on Power Bd.	Confirmation Voltage
DP26640-00 N8ME	DP32640-00 N8LE	n/a	n/a
DP26640-04 N8MH	DP32640-03 N8LH		
DP26640-01 N8MF	DP32640-01 N8LF	Power Bd. K603 "pin 1"	24 V
DP26640-02 N8MG			



FILE NO.

## SERVICE MANUAL

## Remote Control Digital Color Television

**DP26640** (U.S.A.)  
(CANADA)

ORIGINAL VERSION



**Chassis No. P26640-01**

**NOTE:** Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

**If the Original Version Service Manual Chassis No. does not match the unit's,** additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

**Servicing should be performed by only trained and qualified service personnel.**

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### Specifications

POWER RATING .....	120VAC 95W (AVG.)
ANTENNA INPUT IMPEDANCE .....	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL .....	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY .....	32 KEY REMOTE CONTROL
SOUND OUTPUT .....	5.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER .....	45.75MHz
SOUND IF CARRIER .....	41.25MHz
COLOR SUB CARRIER .....	42.17MHz
CABINET DIMENSIONS	
WIDTH .....	663mm
HEIGHT .....	484mm
DEPTH INCLUDING BASE .....	241mm

# SAFETY INSTRUCTIONS

## SAFETY PRECAUTIONS

**WARNING:** The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

*The following precautions must be observed:*

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

## ANTENNA COLD CHECK


Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

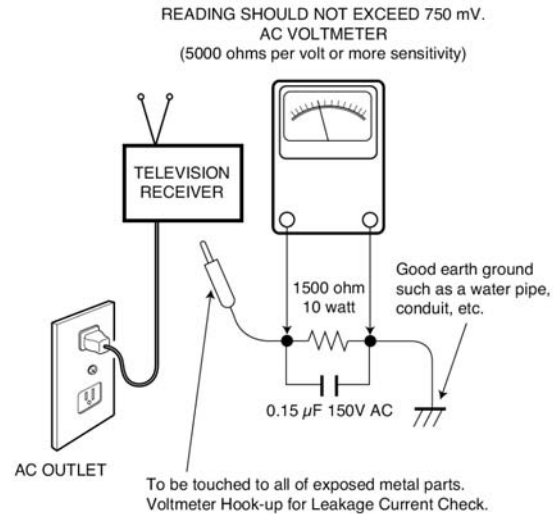
## LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15  $\mu$ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

**NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.**

## PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a  in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



## SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

**CAUTION:** Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

**CAUTION:** Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

# SERVICE ADJUSTMENTS

## GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

## ON-SCREEN SERVICE MENU SYSTEM

### 1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume “-” button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. *See Figure 1 below.*

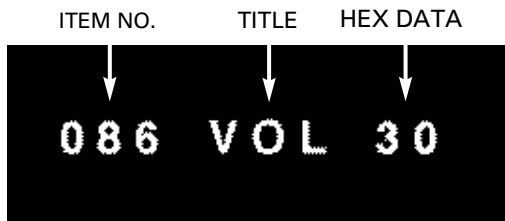


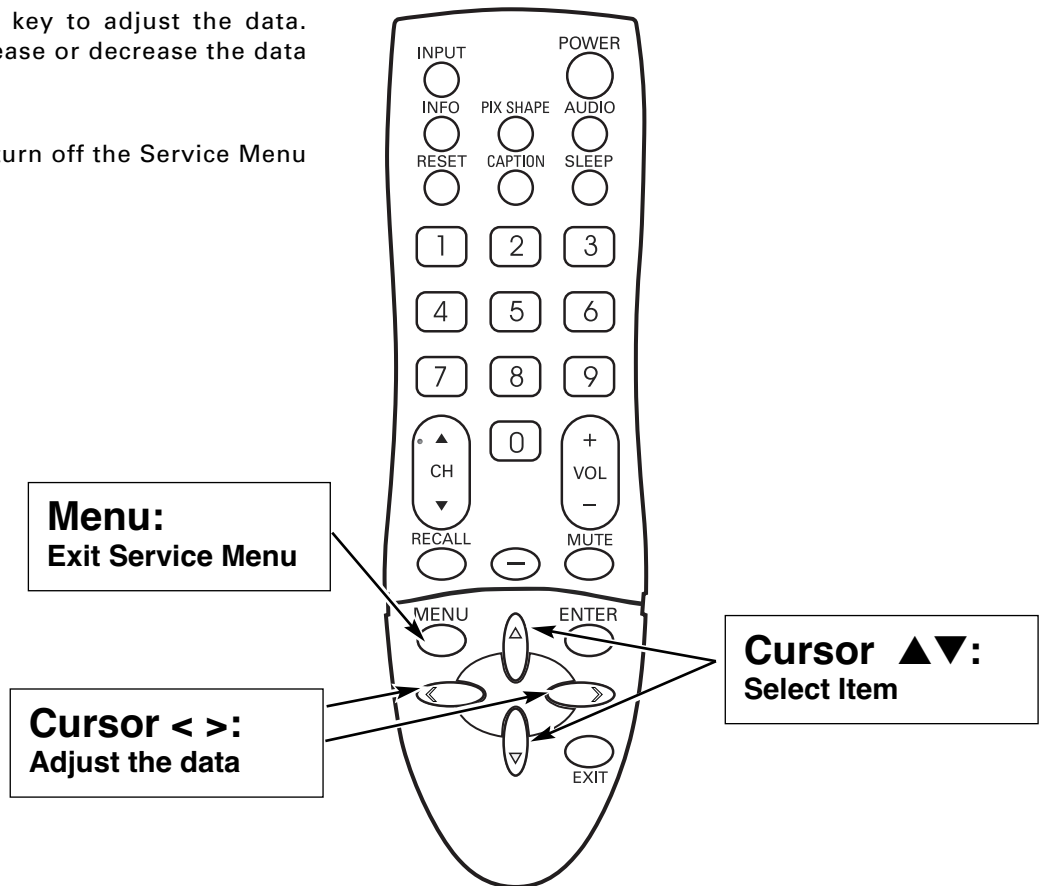
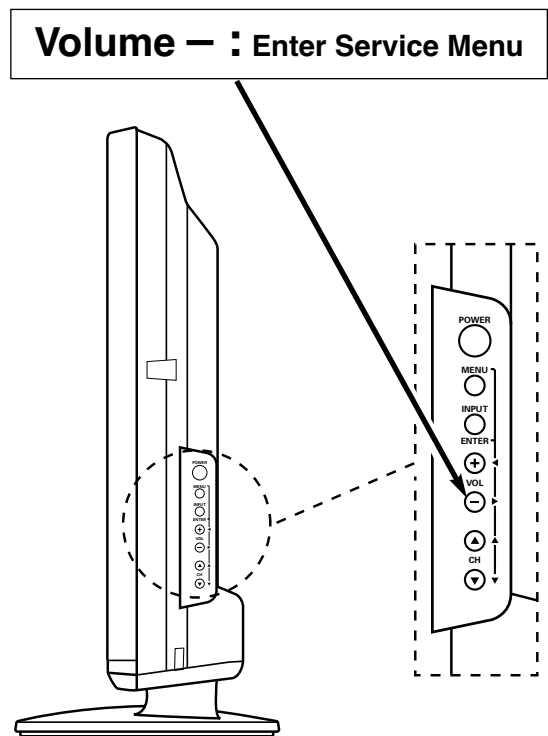
Figure 1. Service Menu Display

### 2. Service Adjustments:

- Press the Cursor ▲ or ▼ key to select the desired service menu item you want to adjust. *See page 4 for the On-screen Service Menu.*
- Use the Cursor < or > key to adjust the data. The < or > key will increase or decrease the data sequentially.

### 3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.





# ON-SCREEN SERVICE MENU

**Table 1. ON-SCREEN SERVICE MENU**

When IC803 (EEPROM) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	00h	Option 1 Data (TV Guide/HOTEL mode)
088	OP2	22h	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjustment information.

## PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

**Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 00.** See 087 above. If this program code is wrong the TV will not operate properly.

**Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 22.** See 088 above. If this program code is wrong the TV will not operate properly.

# POWER FAILURE CIRCUIT

SUB-CPU (IC800) is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the SUB-CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the SUB-CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

**Power Failure:** Detected voltage failure for circuit.  
(Connected to IC800 pin 48 and pin 23.)

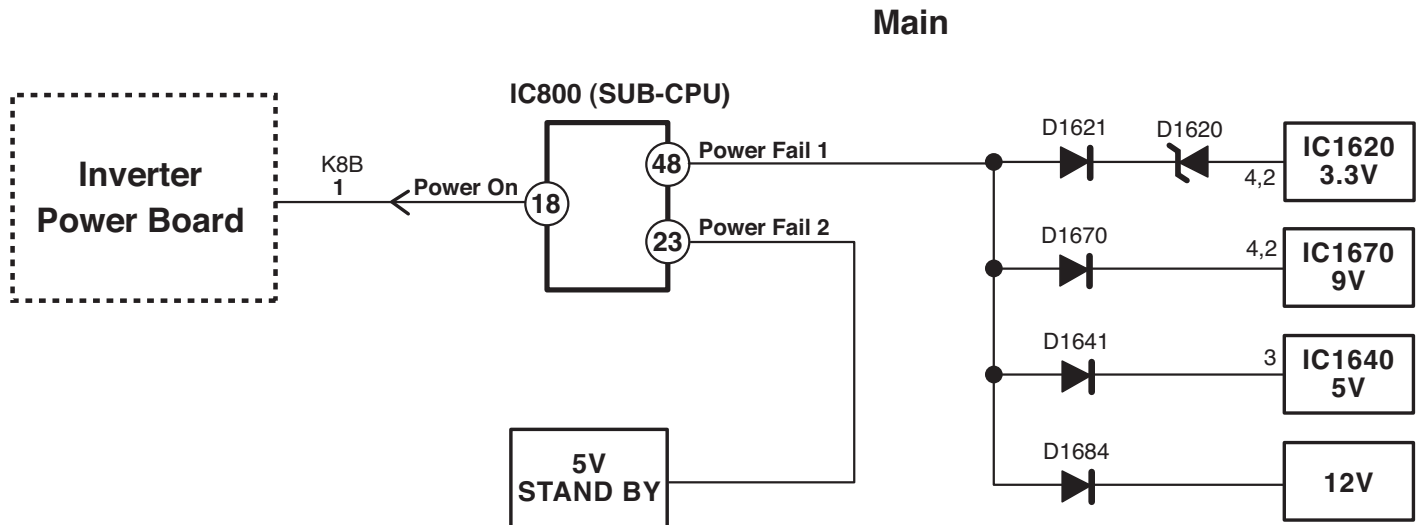
**(Normal: High; Failure: Low)**

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the SUB-CPU will shut off the power within three seconds.

*Check the following if the unit is turned off by the power failure detector.*

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

**Note:** If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the SUB-CPU it is necessary to disconnect the AC cord for a short time.



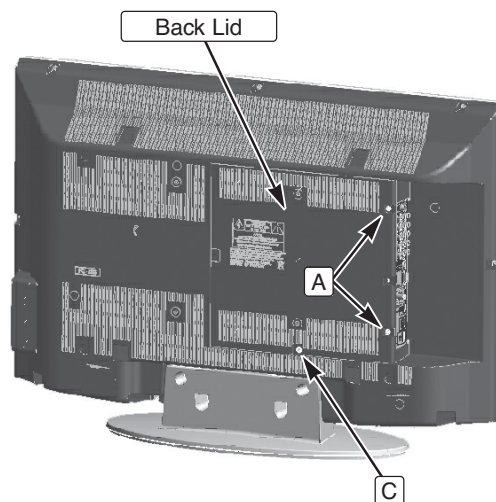
# MECHANICAL DISASSEMBLY

**CAUTION:** This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing.

## BACK LID REMOVAL

Remove 3 screws to take the Back Lid off.

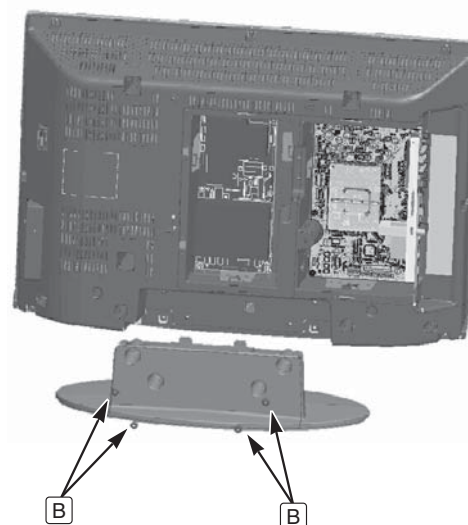
(A:2x6, 2pcs.; C:3x14, 1 pc.)



## STAND REMOVAL

Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 4 screws (B: 6X12) to take the stand off.

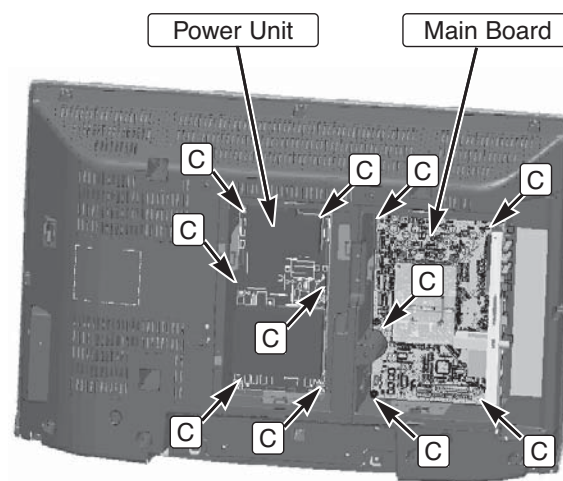


## MAIN BOARD REMOVAL

Remove 5 screws (C:3x14) to take the main board off.

## POWER UNIT REMOVAL

Remove 6 screws (C:3x14) to take the power unit off.





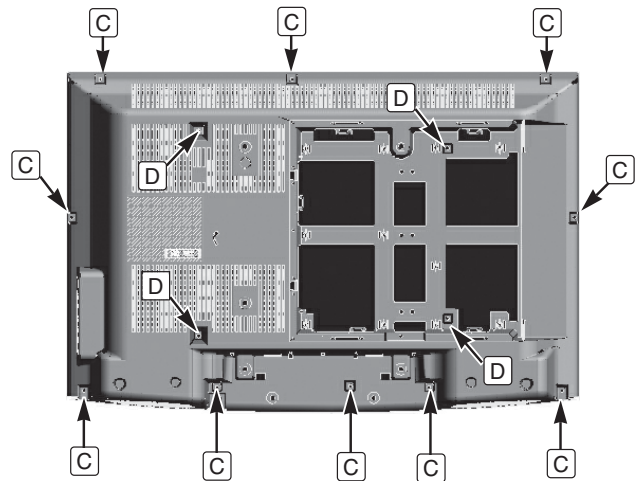
### **ELECTROSTATICALLY SENSITIVE DEVICES**

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

## **BACK CABINET REMOVAL**

Remove 14 screws to take the back cabinet off.

(C:3x14, 10 pcs.; D:4x8, 4 pcs.)



## **LCD PANEL REMOVAL**

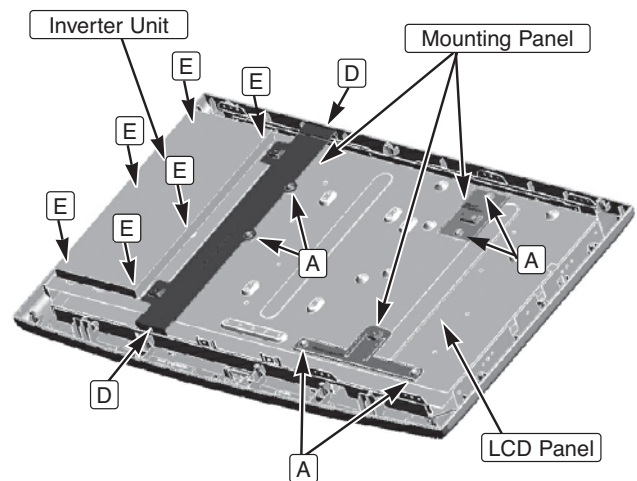
1. Remove 8 screws to take the mounting panel off.

(A:3x6, 6 pcs.; D:4x8, 2 pcs.)

2. Remove 6 screws to take the inverter unit off.

(E:2.5x6, 6 pcs.)

3. Lift up the LCD panel from from cabinet.

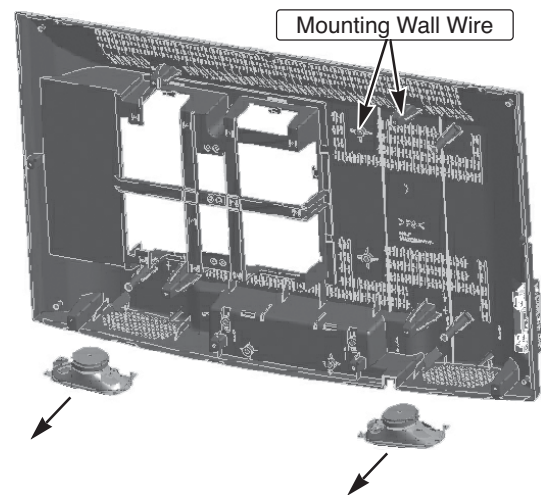


## SPEAKER REMOVAL

Take off each speaker from back cabinet.

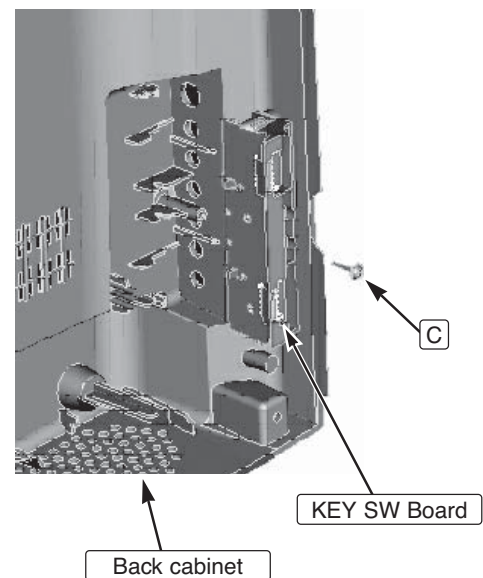
### [ATTENTION]

Confirm Mounting wall wire is installed when you install the back cabinet.



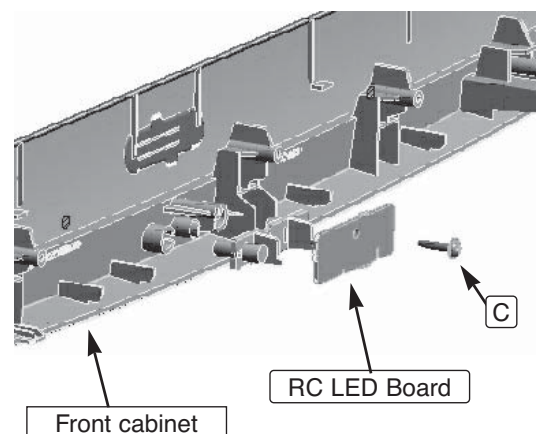
## KEY SW BOARD REMOVAL

Remove 1 screw (C: 3x14) to take the KEY SW board off.



## RC LED BOARD REMOVAL

Remove 1 screw (C: 3x14) to take the RC LED board off.



### [ATTENTION]

The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

# CHASSIS ELECTRICAL PARTS LIST

**CAUTION:** To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

## PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A  $\Delta$  IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A  $\Delta$ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A  $\Delta$ .

Note: Schematic part location numbers may not always match with the part descriptions.  
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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## CAPACITORS

### NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified B :  $\pm 0.1\text{pF}$  C :  $\pm 0.25\text{pF}$   
D :  $\pm 0.5\text{pF}$  E :  $\pm 0.1\text{pF}$  F :  $\pm 1\text{pF}$   
G :  $\pm 2\text{pF}$  H :  $\pm 0.1 - 0\text{pF}$  L :  $\pm 0 - 0.1\text{pF}$   
R :  $\pm 0.25 - 0\text{pF}$  S :  $\pm 0 - 0.25\text{pF}$

More than 10pF

A : Not specified B :  $\pm 0.1\%$  C :  $\pm 0.25\%$   
D :  $\pm 0.5\%$  F :  $\pm 1\%$  G :  $\pm 2\%$   
H :  $\pm 3\%$  J :  $\pm 5\%$  K :  $\pm 10\%$   
L :  $\pm 15\%$  M :  $\pm 20\%$  N :  $\pm 30\%$   
P :  $\pm 100-0\%$  Q :  $\pm 30-10\%$  T :  $\pm 50-10\%$   
U :  $\pm 75-10\%$  V :  $\pm 20-10\%$  W :  $\pm 100-10\%$   
X :  $\pm 40-20\%$  Y :  $\pm 150-10\%$  Z :  $\pm 80-20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic  
MT-PAPER..... Metallized Paper  
POLYESTER..... Polyester  
MT-POLYEST..... Metallized Polyester  
POLYPRO..... Polypropylene  
MT-POLYPRO..... Metallized Polypropylene  
COMPO FILM..... Composite Film  
MT-COMPO..... Metallized Composite  
STYRENE..... Styrene  
TA-SOLID..... Tantalum Solid  
AL-SOLID..... Aluminium Solid  
ELECT..... Electrolytic  
NP-ELECT..... Non-polarised Electrolytic  
OS-SOLID..... Aluminium Solid with Organic  
Semi-conductive Electrolytic

Schematic Location	Part No.	Description
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## RESISTORS

### NOTES:

Read description of the Resistor as follows:

(Example)

CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A...General B...Non-flammable  
Z...Low noise  
Other... Temperature coefficient

Tolerance Symbols:

A...0.05% B...0.1% C...25%  
D...0.5% F...1% G...2%  
J...5% K...10% M...20%  
P... $\pm 5 - 15\%$

Rated Value, ohms:

K...1,000 M...1,000,000

Material:

CARBON..... Carbon  
MT-FILM..... Metal Film  
OXIDE-MT..... Oxide Metal Film  
SOLID..... Composition  
MT-GLAZE..... Metal Glaze  
WIRE WOUND..... Wire Wound  
CERAMIC RES..... Ceramic  
FUSIBLE RES..... Fusible

Schematic Location	Part No.	Description
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## CAPACITORS

C016	CK1E105KGMBNG	CERAMIC 1U K 25V
C017	CEXLB1C222VDN	ELECT 2200U M 16V
C018	CK1A105KLZBNG	CERAMIC 1U K 10V
C019	CK1A105KLZBNG	CERAMIC 1U K 10V
C020	CEXLB1C102VDN	ELECT 1000U M 16V
C021	CK1A105KLZBNG	CERAMIC 1U K 10V
C022	CK1A105KLZBNG	CERAMIC 1U K 10V
C023	CK1A105KLZBNG	CERAMIC 1U K 10V
C024	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C025	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C027	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C028	CK1A105KLZBNG	CERAMIC 1U K 10V
C029	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C030	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C031	CEXLB1H4R7VDN	ELECT 4.7U M 50V
C032	CK1E105KGMBNG	CERAMIC 1U K 25V
C033	CK1A105KLZBNG	CERAMIC 1U K 10V
C035	CK1A105KLZBNG	CERAMIC 1U K 10V
C038	CK1A105KLZBNG	CERAMIC 1U K 10V
C039	CK1A105KLZBNG	CERAMIC 1U K 10V
C040	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C041	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C043	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C044	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C045	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C047	CK1E105KGMBNG	CERAMIC 1U K 25V
C048	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C049	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C050	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C051	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C800	CK1A105KLZBNG	CERAMIC 1U K 10V
C801	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C802	CC1H470JLZCNG	CERAMIC 47P J 50V
C804	CEXLB0J221VDN	ELECT 220U M 6.3V
C805	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C806	CC1H270JLZCNG	CERAMIC 27P J 50V
C807	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C813	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C815	CC1H270JLZCNG	CERAMIC 27P J 50V
C816	CC1H270JLZCNG	CERAMIC 27P J 50V
C817	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C818	CC1H220JLZCNG	CERAMIC 22P J 50V
C819	CC1H220JLZCNG	CERAMIC 22P J 50V
C1000	CEXLB1V470VDN	ELECT 47U M 35V
C1002	CK1A105KLZBNG	CERAMIC 1U K 10V
C1004	CK1A105KLZBNG	CERAMIC 1U K 10V
C1006	CK1A105KLZBNG	CERAMIC 1U K 10V
C1008	CK1A105KLZBNG	CERAMIC 1U K 10V
C1010	CK1A105KLZBNG	CERAMIC 1U K 10V
C1012	CK1A105KLZBNG	CERAMIC 1U K 10V
C1014	CK1A105KLZBNG	CERAMIC 1U K 10V
C1016	CK1A105KLZBNG	CERAMIC 1U K 10V
C1611	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C1612	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C1616	CK1H473KLZBNG	CERAMIC 0.047U K 50V

Schematic Location	Part No.	Description
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C1620	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C1622	CEXLB0J221VEN	ELECT 220U M 6.3V
C1623	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C1624	CEXLB1C471VEN	ELECT 470U M 16V
C1640	CEXLB1C101VEN	ELECT 100U M 16V
C1641	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1642	CK1H223KLZBNG	CERAMIC 0.022U K 50V
C1643	CK1A105KLZBNG	CERAMIC 1U K 10V
C1645	CK1H472KLZBNG	CERAMIC 4700P K 50V
C1646	CK1A105KLZBNG	CERAMIC 1U K 10V
C1647	CEXLB0J102VEN	ELECT 1000U M 6.3V
C1670	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C1671	CK1E105KGMBNG	CERAMIC 1U K 25V
C1672	CEXLB1V470VDN	ELECT 47U M 35V
C1673	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C1674	CEXLB1C471VDN	ELECT 470U M 16V
C1691	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1835	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C1836	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1837	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
G2403	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
G2404	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
G2405	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
G2406	CEXLB0J221VDN	ELECT 220U M 6.3V
G2408	CK1A105KLZBNG	CERAMIC 1U K 10V
G2410	CK1A105KLZBNG	CERAMIC 1U K 10V
G2440	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
G2445	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5500	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C5501	CK1A105KLZBNG	CERAMIC 1U K 10V
C5502	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5503	CK1A105KLZBNG	CERAMIC 1U K 10V
C5504	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5505	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C5506	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5507	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5508	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5509	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5510	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5511	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5512	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5513	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5515	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5516	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5517	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C5518	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5519	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5521	CK1A105KLZBNG	CERAMIC 1U K 10V
C5522	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5523	CK0J106KGMBNG	CERAMIC 10U K 6.3V
C5524	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5525	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5526	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5527	CK1H104ZLFNG	CERAMIC 0.1U Z 50V
C5528	CC1H471JLZCNG	CERAMIC 470P J 50V
C5529	CC1H471JLZCNG	CERAMIC 470P J 50V

Schematic Location	Part No.	Description
C5530	CK1A105KLZBNG	CERAMIC 1U K 10V
C5531	CK1A105KLZBNG	CERAMIC 1U K 10V
C5532	CC1H471JLZCNG	CERAMIC 470P J 50V
C5533	CC1H471JLZCNG	CERAMIC 470P J 50V
C5534	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5535	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5536	CK1A105KLZBNG	CERAMIC 1U K 10V
C5537	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5538	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5539	CC1H471JLZCNG	CERAMIC 470P J 50V
C5540	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5541	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5542	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5543	CC1H120JLZCNG	CERAMIC 12P J 50V
C5544	CC1H3R0CLZCNG	CERAMIC 3P C 50V
C5545	CC1H390JLZCNG	CERAMIC 39P J 50V
C5546	CC1H120JLZCNG	CERAMIC 12P J 50V
C5547	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5548	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5549	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5550	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5551	CK1A105KLZBNG	CERAMIC 1U K 10V
C5552	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5553	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5554	CK1A105KLZBNG	CERAMIC 1U K 10V
C5555	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5556	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5558	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5559	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5560	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5561	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5563	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5564	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5565	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5566	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5568	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5569	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5570	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5572	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5574	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5575	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5576	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5577	CK1A105KLZBNG	CERAMIC 1U K 10V
C5578	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5580	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C5581	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5583	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5585	CC1H221JLZCNG	CERAMIC 220P J 50V
C5588	CK1A105KLZBNG	CERAMIC 1U K 10V
C5589	CK1A105KLZBNG	CERAMIC 1U K 10V
C5590	CK1A105KLZBNG	CERAMIC 1U K 10V
C5591	CK1A105KLZBNG	CERAMIC 1U K 10V
C5592	CK1A105KLZBNG	CERAMIC 1U K 10V
C5593	CK1A105KLZBNG	CERAMIC 1U K 10V
C5594	CK1A105KLZBNG	CERAMIC 1U K 10V
C5595	CK1A105KLZBNG	CERAMIC 1U K 10V

Schematic Location	Part No.	Description
C5596	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5597	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5598	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5599	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5600	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5601	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5602	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5603	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5604	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5607	CC1H150JLZCNG	CERAMIC 15P J 50V
C5608	CC1H220JLZCNG	CERAMIC 22P J 50V
C5611	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C5612	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5613	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5614	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C5616	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5618	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5619	CK1A105KLZBNG	CERAMIC 1U K 10V
C5620	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5621	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5622	CK1A105KLZBNG	CERAMIC 1U K 10V
C5623	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5624	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5625	CK0J106KGM BNG	CERAMIC 10U K 6.3V
C5627	CC1H680JLZCNG	CERAMIC 68P J 50V
C5628	CC1H680JLZCNG	CERAMIC 68P J 50V
C5629	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5630	CK1A105KLZBNG	CERAMIC 1U K 10V
C5631	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5632	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5647	CC1H221JLZCNG	CERAMIC 220P J 50V
C5648	CC1H221JLZCNG	CERAMIC 220P J 50V
C5649	CC1H221JLZCNG	CERAMIC 220P J 50V
C5653	CC1H221JLZCNG	CERAMIC 220P J 50V
C5654	CC1H221JLZCNG	CERAMIC 220P J 50V
C5655	CC1H221JLZCNG	CERAMIC 220P J 50V
C5700	CK1A105KLZBNG	CERAMIC 1U K 10V
C5701	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5702	CK1A105KLZBNG	CERAMIC 1U K 10V
C5703	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5704	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5705	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5707	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5708	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5709	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5711	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5712	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5713	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5750	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5751	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5752	CEXLB0J221VEN	ELECT 220U M 6.3V
C5800	CC1H680JLZCNG	CERAMIC 68P J 50V
C5801	CC1H680JLZCNG	CERAMIC 68P J 50V
C5802	CC1H680JLZCNG	CERAMIC 68P J 50V
C5803	CC1H270JLZCNG	CERAMIC 27P J 50V



Schematic Location	Part No.	Description
C5804	CC1H270JLZCNG	CERAMIC 27P J 50V
C5805	CC1H270JLZCNG	CERAMIC 27P J 50V
C5806	CC1H150JLZCNG	CERAMIC 15P J 50V
C5807	CC1H150JLZCNG	CERAMIC 15P J 50V
C5808	CC1H150JLZCNG	CERAMIC 15P J 50V
C5809	CC1H120JLZCNG	CERAMIC 12P J 50V
C5810	CC1H120JLZCNG	CERAMIC 12P J 50V
C5811	CC1H120JLZCNG	CERAMIC 12P J 50V
C5812	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5813	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5814	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5815	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5816	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5817	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C5901	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C5902	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C6100	CK1H102KLZBNG	CERAMIC 1000P K 50V
C6102	CC1H270JLZCNG	CERAMIC 27P J 50V
C6103	CC1H270JLZCNG	CERAMIC 27P J 50V
C6104	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6105	CEXLB0J221VDN	ELECT 220U M 6.3V
C6107	CEXLB1C102VDN	ELECT 1000U M 16V
C6108	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6111	CK1H102KLZBNG	CERAMIC 1000P K 50V
C6112	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
C6113	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
C6250	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6251	CEXLB1V470VEN	ELECT 47U M 35V
C6252	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6253	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6254	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6255	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6270	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6271	CEXLB1V470VEN	ELECT 47U M 35V
C6272	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6273	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6274	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6275	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6300	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6301	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6302	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6303	CEXLB1C221VEN	ELECT 220U M 16V
C6304	CEXLB1V470VEN	ELECT 47U M 35V
C6305	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6382	CK1A105KLZBNG	CERAMIC 1U K 10V
C6500	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6501	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6550	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6551	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6600	CK1H104ZLZFNG	CERAMIC 0.1U Z 50V
C6601	CK1A105KLZBNG	CERAMIC 1U K 10V
C6602	CEXLB1C471VDN	ELECT 470U M 16V
C6701	CK1A105KLZBNG	CERAMIC 1U K 10V
C6702	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C6703	CK1A105KLZBNG	CERAMIC 1U K 10V
C6705	CEXLB0J221VEN	ELECT 220U M 6.3V

Schematic Location	Part No.	Description
C6706	CEXLB0J102VEN	ELECT 1000U M 6.3V
SC1000	CC1H150JLZCNG	CERAMIC 15P J 50V
SC1001	CC1H150JLZCNG	CERAMIC 15P J 50V
SC1003	CC1H150JLZCNG	CERAMIC 15P J 50V
SC2400	CC1H221JLZCNG	CERAMIC 220P J 50V
SC2401	CC1H221JLZCNG	CERAMIC 220P J 50V

## DIODES

D017	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D020	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D801	DZ02DZ3.9Y—G	ZENER DIODE 02DZ3.9Y(TPH3
	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
	DZXLBB3.9B-G	ZENER DIODE MM3Z3V9B
D1620	DZ02DZ3.0Y—G	ZENER DIODE 02DZ3.0Y(TPH3
	DZUDZS3.0B—G	ZENER DIODE UDZS3.0B-TE-1
	DZXLBB3.0B-G	ZENER DIODE MM3Z3V0B
D1621	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1640	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D1670	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1684	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D1762	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
	DDXLBB053—G	DIODE 1SS35
D2403	DDRB551V-30-G	DIODE RB551V-30-TE-17
D2404	DDRB551V-30-G	DIODE RB551V-30-TE-17

## INTEGRATED CIRCUITS

IC001	QLV49152V-E-P	IC LV49152V-TLM-E
IC025	QTC7SET08FU-P	IC TC7SET08FU-(TE85L)
IC025	QXXAVC924—P	IC 74AHC1G08GW
IC800	QXXAAJQ1239—	IC LC87F2932AVU-Y10LCD
IC800A	QXXGA0500125M	IC LC87F2932AVU-QIP-E
IC803	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
	QXXAVC986—P	IC CAT24C02WI-GT3
IC905	QTC7SET08FU-P	IC TC7SET08FU-(TE85L)
	QXXAVC924—P	IC 74AHC1G08GW
IC1620	QLM1117S-ADJP	IC LM1117S-ADJ
IC1640	QLV5803M-E—P	IC LV5803M-TE-L-E
IC1670	QLM1117S-ADJP	IC LM1117S-ADJ
IC2401	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2402	Q74AHC1G08GWP	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2403	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
	QXXAVC986—P	IC CAT24C02WI-GT3
IC2440	Q74AHC1G08GWP	IC 74AHC1G08GW

Schematic Location	Part No.	Description
IC2445	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
	Q74AHC1G08GW	IC 74AHC1G08GW
	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC5500	QXXAVD108—M	IC ZR39772HGC-F-B
IC5700	QXXAVD132—M	IC H5PS5162FFR-25C
IC5750	QXXAAJQ1243—	IC NAND128W3A2BM6E
IC5750A	QXXAVC973—M	IC NAND128W3A2BN6E
IC5900	QXXAVD046—P	IC XC6108N28AMR
IC6250	QBA4558RF-E2P	IC BA4558RF-E2
	QNJM4558M—P	IC NJM4558M-TE2
	QBA4558RF-E2P	IC BA4558RF-E2
IC6270	QNJM4558M—P	IC NJM4558M-TE2
	QTC7SET08FU-P	IC TC7SET08FU-(TE85L)
	QXXAVC924—P	IC 74AHCT1G08GW
IC6500	QTC7SET08FU-P	IC TC7SET08FU-(TE85L)
	QXXAVC924—P	IC 74AHCT1G08GW
	QXXAVC924—P	IC 74AHCT1G08GW
IC6550	QTC7SET08FU-P	IC TC7SET08FU-(TE85L)
IC6600	QRT9711CGB—P	IC RT9711CGB
	QRT9711CGB—P	IC RT9711CGB
	QRT9711CGB—P	IC RT9711CGB
IC6700	QPQ070XNA1ZPP	IC PQ070XNA1ZPH

## COILS

L011	1LB4L26B1630G	"INDUCTOR ,22UH"
L012	1LB4L26B1630G	"INDUCTOR ,22UH"
L013	1LB4L26B1630G	"INDUCTOR ,22UH"
L014	1LB4L26B1630G	"INDUCTOR ,22UH"
L800	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L1610	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1611	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1620	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1641	1LB4L26B1180G	INDUCTOR 10U M
L1644	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1676	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1677	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1682	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1683	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1684	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1685	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1702	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L1703	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1706	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1708	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1709	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1710	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1711	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1725	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1831	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L2400	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5500	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5501	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L5503	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5504	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5505	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5506	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L5507	1AV4L2GAR22JG	"INDUCTOR,0.22U J"
L5508	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
L5509	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
L5510	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5511	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5512	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5513	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5514	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5515	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L5517	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5518	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5519	1AV4L26B1940G	"INDUCTOR,120 OHM"
L5519	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L5750	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5800	1AV4L2GA150JG	"INDUCTOR,15U J"
L5801	1AV4L2GA150JG	"INDUCTOR,15U J"
L5802	1AV4L2GA150JG	"INDUCTOR,15U J"
L5803	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6100	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6101	1AV4L26B1940G	"INDUCTOR,120 OHM"
L6101	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L6102	1AV4L26B1940G	"INDUCTOR,120 OHM"
L6102	1LB4L26B0700G	"INDUCTOR , 120 OHM"
L6103	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6250	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6270	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6302	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6303	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6304	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6305	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6306	1AV4L3CY201MG	"IMPEDANCE,200 OHM M"
L6550	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6700	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6702	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6705	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6706	1LB4L26B0740G	"INDUCTOR , 220 OHM"
L6707	1LB4L26B0740G	"INDUCTOR , 220 OHM"

## RESISTORS

R009	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R010	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R011	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R013	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R014	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R015	RGF5601FTCANL	MT-GLAZE 5.6K FA 1/10W
R016	RGF1501FTCANL	MT-GLAZE 1.5K FA 1/10W
R021	RGF2R70JTCANL	MT-GLAZE 2.7 JA 1/10W
R022	RGF2R70JTCANL	MT-GLAZE 2.7 JA 1/10W
R024	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R025	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R028	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R030	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R800	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R801	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R802	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R804	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R807	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R808	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R809	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R813	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R816	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R817	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R820	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R823	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R827	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R828	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R829	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R830	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R831	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R832	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R833	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R834	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R836	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R837	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R838	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R839	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R840	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R841	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R842	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R843	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R844	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R845	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R846	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R847	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R850	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R851	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R852	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R853	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R854	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R856	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R857	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R858	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R867	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R868	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R871	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R872	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R873	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R874	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R877	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R878	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R879	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R880	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R883	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R885	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R887	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R888	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R890	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R892	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R896	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R897	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R898	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R899	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R900	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R901	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R902	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R903	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R905	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R908	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R910	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R911	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1000	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R1004	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1007	CC1H680JLZCNG	CERAMIC 68P J 50V
R1009	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1010	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1011	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1016	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1017	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1018	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1019	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1020	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1021	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1022	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1023	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1031	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1033	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1042	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1043	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1044	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1045	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1046	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1047	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1048	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1049	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1050	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1051	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1052	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1053	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1054	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1055	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1056	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1057	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1058	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1059	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1060	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1061	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1062	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1063	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1614	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1615	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R1620	RGF1200FTCANL	MT-GLAZE 120 FA 1/10W
R1621	RGF12R0JTCANL	MT-GLAZE 12 JA 1/10W
R1622	RGF2200FTCANL	MT-GLAZE 220 FA 1/10W
R1641	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1642	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1643	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R1644	RGF6800FTCANL	MT-GLAZE 680 FA 1/10W
R1645	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R1670	RGF1200FTCANL	MT-GLAZE 120 FA 1/10W

Schematic Location	Part No.	Description
R1671	RGF12R0JTCANL	MT-GLAZE 12 JA 1/10W
R1672	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R1685	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1686	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1687	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1688	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1690	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1700	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1701	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1702	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1708	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1765	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1767	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1771	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1831	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R2404	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2405	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2406	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2407	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2408	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2411	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2417	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R2418	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R2419	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R2420	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R2421	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2422	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2423	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2424	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2425	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R2426	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R2427	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R2428	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R2432	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2433	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2440	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2442	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2447	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2448	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R3300	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3301	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5501	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5503	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5504	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5505	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5506	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5507	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5508	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5512	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5513	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5514	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5515	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5516	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5517	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5518	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5520	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R5522	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R5524	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5526	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5527	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5529	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5531	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5532	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5538	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5539	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5540	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5542	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5543	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5544	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5545	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5546	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5547	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5548	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R5549	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5550	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R5551	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5552	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R5553	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R5554	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R5556	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R5557	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R5558	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R5559	RGF3900JTCANL	MT-GLAZE 390 JA 1/10W
R5560	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R5561	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W
R5562	RGF27R0JTCANL	MT-GLAZE 27 JA 1/10W
R5563	RGF27R0JTCANL	MT-GLAZE 27 JA 1/10W
R5565	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5566	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5567	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5568	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5571	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5573	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5574	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5575	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5576	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5580	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5581	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5582	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5583	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5584	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5585	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5586	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5587	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5591	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5592	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5597	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5598	RGF27R0FTCANL	MT-GLAZE 27 FA 1/10W
R5599	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5600	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5601	RGF4700FTCANL	MT-GLAZE 470 FA 1/10W
R5602	RGF8200FTCANL	MT-GLAZE 820 FA 1/10W

Schematic Location	Part No.	Description
R5603	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5604	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5608	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5613	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5614	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5616	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5618	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5620	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5622	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5624	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5630	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5631	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5632	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5633	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5635	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5640	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5642	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5643	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5644	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5645	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5646	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5647	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5648	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5649	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5650	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5651	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5652	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5653	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5654	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5655	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5656	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5657	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5658	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5659	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5660	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5661	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5662	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5663	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5664	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R5665	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5666	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5700	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5701	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5702	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5750	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5752	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R5778	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5803	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5804	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5805	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5806	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5807	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5808	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5812	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5814	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5816	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W

Schematic Location	Part No.	Description
R5818	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5819	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5820	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5821	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5822	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5823	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5827	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5828	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5829	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5830	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5831	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5832	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R5833	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R5834	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5835	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5836	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5837	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5838	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5900	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5901	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5902	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5950	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5952	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5954	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5956	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5957	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5960	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6100	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6101	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6250	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6251	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R6252	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6253	RGF6802JTCANL	MT-GLAZE 68K JA 1/10W
R6254	RGF6802JTCANL	MT-GLAZE 68K JA 1/10W
R6255	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6271	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6272	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R6273	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6274	RGF6802JTCANL	MT-GLAZE 68K JA 1/10W
R6275	RGF6802JTCANL	MT-GLAZE 68K JA 1/10W
R6276	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6311	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6314	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6317	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6318	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6327	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R6328	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R6331	RGF1504JTCANL	MT-GLAZE 1.5M JA 1/10W
R6332	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6333	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6334	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6336	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6338	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6380	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R6382	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6386	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R6390	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6500	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6501	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6502	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6503	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6504	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6505	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6506	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6507	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6508	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6509	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6510	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6511	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6512	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6513	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6514	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6515	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6516	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6517	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6520	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6550	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6551	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6552	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6553	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6554	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R6555	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6556	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6557	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6558	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R6559	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6560	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6561	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6562	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6563	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6564	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6565	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6566	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6567	RGF4R70JTCANL	MT-GLAZE 4.7 JA 1/10W
R6568	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6571	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6600	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6602	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6606	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6607	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6608	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R6609	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6610	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6701	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R6702	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6703	RGF4700FTCANL	MT-GLAZE 470 FA 1/10W
R6704	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
RB1831	1LB4R1YB0R0ZG	R-NETWOR K 0X4 0.06 3W
RB5950	1LB4R1YB0R0ZG	R-NETWOR K 0X4 0.06 3W
RB6301	1LB4R1YB0R0ZG	R-NETWOR K 0X4 0.06 3W
RB6302	1LB4R1YB0R0ZG	R-NETWOR K 0X4 0.06 3W

Schematic Location	Part No.	Description
<b>TRANSISTORS</b>		
Q800	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q804	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q805	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q806	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1001	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1002	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1003	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1004	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1005	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1006	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1007	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1008	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1610	TMCH6331-S-EG	TR MCH6331-S-TL-E
Q1751	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q2400	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q2401	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q2402	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5800	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q5801	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F

Schematic Location	Part No.	Description
Q5802	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q5803	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5804	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5805	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6301	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6302	T2SC2411K-Q-P	TR 2SC2411K-T146-Q
Q6303	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6304	TMCH6331-S-EG	TR MCH6331-S-TL-E
Q6380	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
	TXXLBB005—P	TR MMBTSA1235F
Q6501	TUM6K1N—P	TR UM6K1N-TN
	TUM6K1N—P	TR UM6K1N-TN

Schematic Location	Part No.	Description
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### CRYSTAL/FILTERS

X5500	1AV4V10B9210G	“OSC,CRYSTAL 25MHZ”
X800	1AV4V11B1771G	“OSC,CERAMIC 8.00MHZ”
X801	1AV4V10B0560N	“OSC,CRYSTAL 32.768KHZ”

Schematic Location	Part No.	Description
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### MISCELLANEOUS

⚠ A100	1AA0B10N271E0	"ASSY,PWB,MAIN_Z-N8MF"
⚠ A200	1AA0B10N28400	"ASSY,PWB,KEY_SW N8LF"
⚠ A300	1AA0B10N28500	"ASSY,PWB,RC_LED A N8LF"
⚠ A400	1AA0B10N29100	"ASSY,PWB,POWER N8LF"
⚠ A6100	1AV4F1BAZ0090	"TUNER,U/V"
EL901	1AV4T40C17000	LCD(M260TWR1 R1)
EL902	1AV4U20C46200	"UNIT,INVERTER"
K1003	1LB4J31B01101	"TERMINAL, BOARD"
K1004	1LB4J12B11700	"JACK,RCA-9"
K1005	1LB4J12B11600	"JACK,RCA-6"
K2400	1LB4J11B0630N	"SOCKET,D-SUB 15P"
K2401	1LB4J12B11900	"JACK,PHONE D3.6"
K5DL	1AV4J10AU045N	"PLUG,4P"
K5LV	1AV4J10XE300G	"PLUG,30P"
K6500	1AV4J11B8591G	"SOCKET,IF(HDMI) 19P"
K6500	1LB4J11B0760G	"SOCKET,HDMI 19P"
K6550	1AV4J11B8591G	"SOCKET,IF(HDMI) 19P"
K6550	1LB4J11B0760G	"SOCKET,HDMI 19P"
K802	1AV4J10EA053N	"PLUG,5P"
K803	1AV4J10EA073N	"PLUG,7P"
K8CTRA	1AV4J10AU035N	"PLUG,3P"
K8C	1AV4J10FT130N	"PLUG,PWB 13P"
K8FRA	1AV4J10EA063N	"PLUG,6P"
KSP	1AV4J10EA043N	"PLUG,4P"
KUSB	1LB4J11B0550N	"SOCKET,USB 4P"
⚠ SP901	1LB4A10B08704	"SPEAKER,8"
⚠ SP902	1LB4A10B08704	"SPEAKER,8"
W901	1AV4W10B17903	"CORD,POWER-2.15MK-VTR-02"
WK5LV-PN	1LB4W30B21100	"CORD ,30P-30P(LVDS)"

Schematic Location	Part No.	Description
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### POWER BOARD PARTS LIST

#### CAPACITORS

C601	CKXAV2E101AAC	CERAMIC	100P M	250V
C605	CGXAV27474ABC	MT-POLYEST	0.47U M	275V
C605	CGXAV27474BBC	MT-POLYEST	0.47U K	275V
C606	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
C606	CGXAV27224BBC	MT-POLYEST	0.22U K	275V
C608	CKXAV2E471AAC	CERAMIC	470P M	250V
C609	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
C609	CGXAV27224BBC	MT-POLYEST	0.22U K	275V
C610	CK3A102KANHAN	CERAMIC	1000P K	1K
C611	CK3A102KANHAN	CERAMIC	1000P K	1K
C612	CK3A102KANHAN	CERAMIC	1000P K	1K
C613	CK3A102KANHAN	CERAMIC	1000P K	1K
C614	CEXAVB03000-N	ELECT	470U M	250V
C615	CK1E474KLZBNG	CERAMIC	0.47U K	25V
C616	CC3D220JAHGEN	CERAMIC	22P J	2K
C617	CG2J123KAPAQN	MT-POLYEST	0.012U K	630V
C619	CE1V560MMVANN	ELECT	56U M	35V
C619	CE1V560MNRANN	ELECT	56U M	35V
C620	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C621	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C624	CK1H473KLZBNG	CERAMIC	0.047U K	50V
C625	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C626	CE1H100MMVANN	ELECT	10U M	50V
C626	CE1H100MNRANN	ELECT	10U M	50V
C627	CK1H105KGNBNG	CERAMIC	1U K	50V
C628	CC1H681JLZCNG	CERAMIC	680P J	50V
C629	CC1H101JLZCNG	CERAMIC	100P J	50V
C630	CM2J823JAWAQN	MT-POLYPRO	0.082U J	630V
C631	CK3D101KANHAN	CERAMIC	100P K	2K
C631	CK3D101KCRDAN	CERAMIC	100P K	2K
C632	CK3D471KANHAN	CERAMIC	470P K	2K
C632	CK3D471KCRDAN	CERAMIC	470P K	2K
C633	CK3D150JTDANG	CERAMIC	15P J	2K
C634	CK3D150JTDANG	CERAMIC	15P J	2K
C635	CK1E474KLZBNG	CERAMIC	0.47U K	25V
C637	CKXAV2E222AAC	CERAMIC	2200P M	250V
C639	CK1H102KLZBNG	CERAMIC	1000P K	50V
C640	CE1H220MMVANN	ELECT	22U M	50V
C640	CE1H220MNRANN	ELECT	22U M	50V
C642	CK1H104KLZBNG	CERAMIC	0.1U K	50V
C643	CK1H102KLZBNG	CERAMIC	1000P K	50V
C644	CKXAV2E471AAC	CERAMIC	470P M	250V
C645	CKXAV2E101AAC	CERAMIC	100P M	250V
C703	CE1V471M2FANN	ELECT	470U M	35V
C703	CE1V471M6QANN	ELECT	470U M	35V
C704	CE1V471M2FANN	ELECT	470U M	35V
C704	CE1V471M6QANN	ELECT	470U M	35V
C705	CE1V471M2FANN	ELECT	470U M	35V
C705	CE1V471M6QANN	ELECT	470U M	35V
C708	CE1E102M2FANN	ELECT	1000U M	25V
C708	CE1E102M6QANN	ELECT	1000U M	25V
C709	CE1E102M2FANN	ELECT	1000U M	25V
C709	CE1E102M6QANN	ELECT	1000U M	25V



Schematic Location	Part No.	Description
C710	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C711	CK1E475KGNBNG	CERAMIC 4.7U K 25V
C712	CK3A102KANHAN	CERAMIC 1000P K 1K
C712	CK3A102KCRDAN	CERAMIC 1000P K 1K
C713	CE1G272M2FANN	ELECT 2700U M 16V
C713	CE1G272M6QANN	ELECT 2700U M 16V
C714	CE1C102M6RANN	ELECT 1000U M 16V
C714	CE1C102MMYANN	ELECT 1000U M 16V
C715	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C717	CE1H220MMVANN	ELECT 22U M 50V
C717	CE1H220MNRANN	ELECT 22U M 50V
C718	CK1H105KGNBNG	CERAMIC 1U K 50V
C719	CK1H105KGNBNG	CERAMIC 1U K 50V
C720	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C721	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C722	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C723	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C724	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C725	CK1H102KLZBNG	CERAMIC 1000P K 50V
C726	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C727	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C729	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C730	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C732	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C733	CK1H104KLZBNG	CERAMIC 0.1U K 50V

## DIODES

D601	DDXLBB091—N	DIODE D10XB60 7101
D602	DDEG01C—N	DIODE EG01C
D602	DDXLBB011—N	DIODE EG01C
D603	DDEU1—N	DIODE EU1
D603	DDXLBB017—N	DIODE EU1
D605	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D605	DCPC123X5YFZN	PHOTO COUPLE PC123X5YFZ0F
D606	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D606	DCPC123X5YFZN	PHOTO COUPLE PC123X5YFZ0F
D607	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D607	DCPC123X5YFZN	PHOTO COUPLE PC123X5YFZ0F
D608	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D608	DCPC123X5YFZN	PHOTO COUPLE PC123X5YFZ0F
D609	DD1SS352—G	DIODE 1SS352-(TPH3)
D609	DD1SS355—G	DIODE 1SS355-TE-17
D609	DDXLBB053—G	DIODE 1SS35
D610	DZ02DZ18Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
D610	DZUDZS18B—G	ZENER DIODE UDZS18B-TE-17
D610	DZXLBB18B—G	ZENER DIODE MM3Z 18B
D611	DDAG01A—N	DIODE AG01A
D612	DD1SS352—G	DIODE 1SS352-(TPH3)
D612	DD1SS355—G	DIODE 1SS355-TE-17
D612	DDXLBB053—G	DIODE 1SS35
D613	DD1SS352—G	DIODE 1SS352-(TPH3)
D613	DD1SS355—G	DIODE 1SS355-TE-17
D613	DDXLBB053—G	DIODE 1SS35
D614	DD1SS352—G	DIODE 1SS352-(TPH3)
D614	DD1SS355—G	DIODE 1SS355-TE-17

Schematic Location	Part No.	Description
D614	DDXLBB053—G	DIODE 1SS35
D616	DDEU1—N	DIODE EU1
D616	DDXLBB017—N	DIODE EU1
D617	DD1SS352—G	DIODE 1SS352-(TPH3)
D617	DD1SS355—G	DIODE 1SS355-TE-17
D617	DDXLBB053—G	DIODE 1SS35
D618	DD1SS352—G	DIODE 1SS352-(TPH3)
D618	DD1SS355—G	DIODE 1SS355-TE-17
D618	DDXLBB053—G	DIODE 1SS35
D619	DD1SS352—G	DIODE 1SS352-(TPH3)
D619	DD1SS355—G	DIODE 1SS355-TE-17
D619	DDXLBB053—G	DIODE 1SS35
D620	DZ02DZ18Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
D620	DZUDZS18B—G	ZENER DIODE UDZS18B-TE-17
D620	DZXLBB18B—G	ZENER DIODE MM3Z 18B
D621	DD1SS352—G	DIODE 1SS352-(TPH3)
D621	DD1SS355—G	DIODE 1SS355-TE-17
D621	DDXLBB053—G	DIODE 1SS35
D622	DD1SS352—G	DIODE 1SS352-(TPH3)
D622	DD1SS355—G	DIODE 1SS355-TE-17
D622	DDXLBB053—G	DIODE 1SS35
D623	DZMTZJ27B—N	ZENER DIODE MTZJ27B
D624	DD1SS352—G	DIODE 1SS352-(TPH3)
D624	DD1SS355—G	DIODE 1SS355-TE-17
D624	DDXLBB053—G	DIODE 1SS35
D625	DD1SS352—G	DIODE 1SS352-(TPH3)
D625	DD1SS355—G	DIODE 1SS355-TE-17
D625	DDXLBB053—G	DIODE 1SS35
D626	DD1SS352—G	DIODE 1SS352-(TPH3)
D626	DD1SS355—G	DIODE 1SS355-TE-17
D626	DDXLBB053—G	DIODE 1SS35
D627	DZXLBZA13B—N	ZENER DIODE MTZJ13B
D628	DDXLBB088—N	DIODE STPS20LCD100C
D628	DDXLBB090—N	DIODE SBR200-10JS
D629	DDSBT80-06JSN	DIODE SBT80-06JS
D629	DDXLBB086—N	DIODE STPS10LCD60C
D630	DDSBT80-06JSN	DIODE SBT80-06JS
D630	DDXLBB086—N	DIODE STPS10LCD60C
D631	DZ02DZ18Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
D631	DZUDZS18B—G	ZENER DIODE UDZS18B-TE-17
D631	DZXLBB18B—G	ZENER DIODE MM3Z 18B
D632	DZ02DZ18Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
D632	DZUDZS18B—G	ZENER DIODE UDZS18B-TE-17
D632	DZXLBB18B—G	ZENER DIODE MM3Z 18B
D633	DZ02DZ6.2Y—G	ZENER DIODE 02DZ6.2Y(TPH3)
D633	DZUDZS6.2B—G	ZD UDZS-TE-176.2B
D633	DZXLBB6.2B—G	ZENER DIODE MM3Z6V2B
D636	DD1SS352—G	DIODE 1SS352-(TPH3)
D636	DD1SS355—G	DIODE 1SS355-TE-17
D636	DDXLBB053—G	DIODE 1SS35
D637	DD1SS352—G	DIODE 1SS352-(TPH3)
D637	DD1SS355—G	DIODE 1SS355-TE-17
D637	DDXLBB053—G	DIODE 1SS35
D640	DZ02DZ18Y—G	ZENER DIODE 02DZ3.9Y(TPH3)
D640	DZUDZS18B—G	ZENER DIODE UDZS18B-TE-17
D640	DZXLBB18B—G	ZENER DIODE MM3Z 18B

Schematic Location	Part No.	Description
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## INTEGRATED CIRCUITS

IC601	QSTR-A6051M-N	IC STR-A6051M
IC602	QSSC9512S—P	IC SSC9512S
IC603	QXXAVC950—P	IC LM393D
IC604	QTL431ATA—N	IC TL431ATA
IC605	QTL431ATA—N	IC TL431ATA

## COILS

L601	1LB4F35B0350N	LINE FILTER
L601	1LB4F35B0430N	LINE FILTER
L602	1LB4F35B0380N	LINE FILTER
L602	1LB4F35B0440N	LINE FILTER
L605	1LB4L26B1510N	“INDUCTOR ,3UH”
L605	1LB4L26B1550N	“INDUCTOR ,3UH”
L606	1LB4L26B1510N	“INDUCTOR ,3UH”
L606	1LB4L26B1550N	“INDUCTOR ,3UH”
L607	1LB4L26B1470N	“INDUCTOR,1.0UH”
L607	1LB4L26B1560N	“INDUCTOR,1.0UH”

## TRANSISTORS

Q601	TFQPF16N25C-N	TR FQPF16N25C
Q602	TFQPF16N25C-N	TR FQPF16N25C
Q603	T50A02CH-E—P	TR 50A02CH-TL-E
Q604	T2SC3928A1R-P	TR 2SC3928A1R
Q604	T2SC3928A1S-P	TR 2SC3928A1S
Q604	TXXLBB006—P	TR MMBTSC3928R
Q605	TXXLBB014—P	TR 2N7002
Q606	T2SC3928A1R-P	TR 2SC3928A1R
Q606	T2SC3928A1S-P	TR 2SC3928A1S
Q606	TXXLBB006—P	TR MMBTSC3928R
Q607	T2SC3928A1R-P	TR 2SC3928A1R
Q607	T2SC3928A1S-P	TR 2SC3928A1S
Q607	TXXLBB006—P	TR MMBTSC3928R
Q608	T2SC3928A1R-P	TR 2SC3928A1R
Q608	T2SC3928A1S-P	TR 2SC3928A1S
Q608	TXXLBB006—P	TR MMBTSC3928R
Q609	TISA1235AC1EP	TR ISA1235AC1E
Q609	TISA1235AC1FP	TR ISA1235AC1F
Q609	TXXLBB005—P	TR MMBTSA1235F
Q610	T2SC3928A1R-P	TR 2SC3928A1R
Q610	T2SC3928A1S-P	TR 2SC3928A1S
Q610	TXXLBB006—P	TR MMBTSC3928R
Q611	TISA1235AC1EP	TR ISA1235AC1E
Q611	TISA1235AC1FP	TR ISA1235AC1F
Q611	TXXLBB005—P	TR MMBTSA1235F

## RESISTORS

R601	DHXAVB034—N	THERMISTOR NTPAD5R1LDUB0
R603	RXXAVA685JABN	RESISTER 6.8M JA 1/2W
R605	RGF10R0JTCANL	MT-GLAZE 10 JA 1/10W
R606	RS11R00JGCAEN	OXIDE-MT 1 JA 1W
R607	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R608	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W

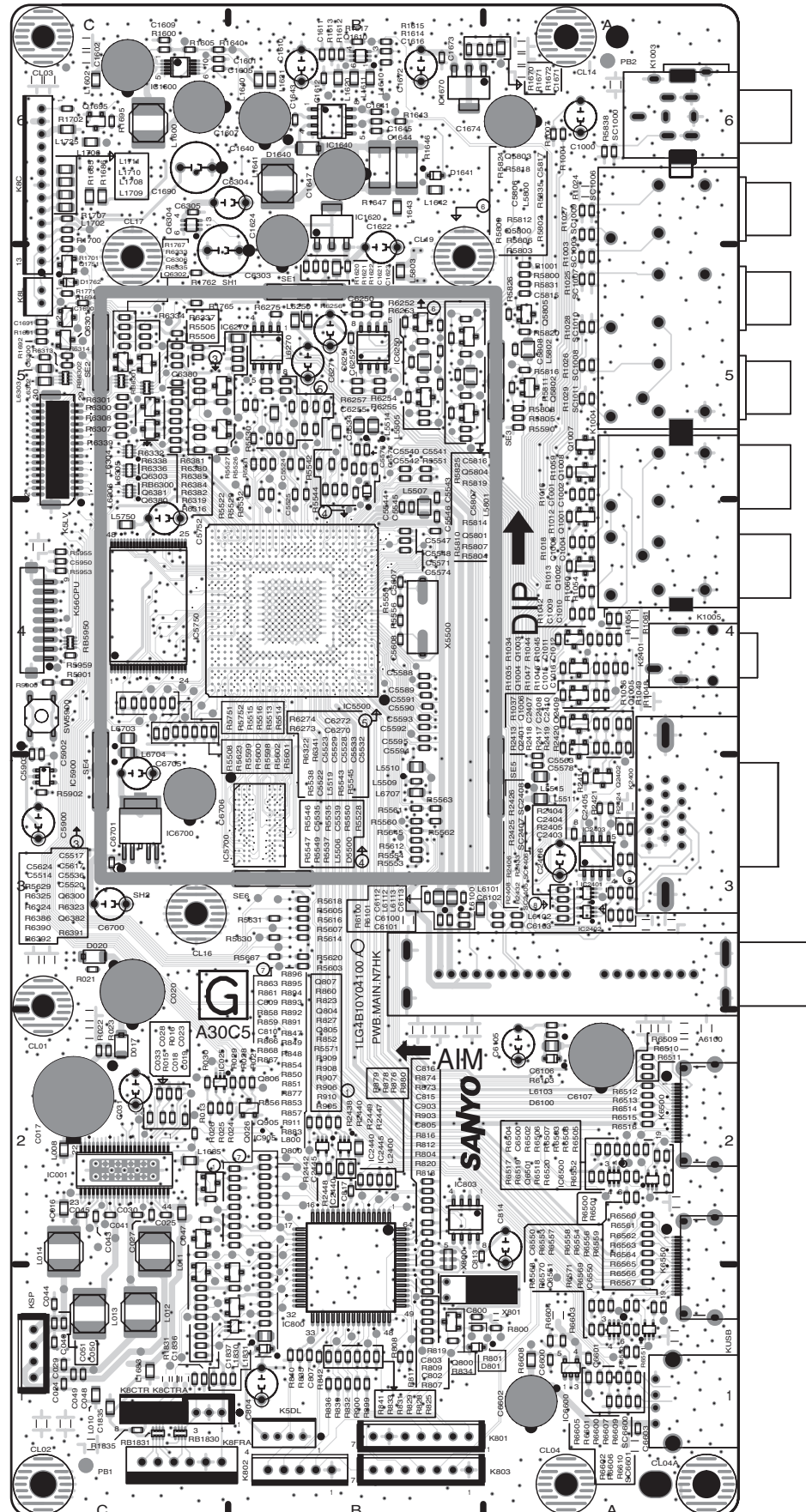
Schematic Location	Part No.	Description
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R609	RGF5602FTCANL	MT-GLAZE 56K FA 1/10W
R610	RGF1203JTCANL	MT-GLAZE 120K JA 1/10W
R611	RS1R680JGCAEN	OXIDE-MT 0.68 JA 1W
R612	RGB15R0JTBANL	MT-GLAZE 15 JA 1/4W
R613	RSXLB2334JXAS	OXIDE-MT 330KJA 2W
R614	RGB56R0JTBANL	MT-GLAZE 56 JA 1/4W
R615	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R616	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R617	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R618	RGF1004FTCANL	MT-GLAZE 1M FA 1/10W
R619	RGF1004FTCANL	MT-GLAZE 1M FA 1/10W
R620	RGF3902FTCANL	MT-GLAZE 39K FA 1/10W
R621	RGF5601FTCANL	MT-GLAZE 5.6K FA 1/10W
R622	RGF3902FTCANL	MT-GLAZE 39K FA 1/10W
R623	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R624	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R625	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R626	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R627	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R628	RS2R150JGDAGN	OXIDE-MT 0.15 JA 2W
R629	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R630	RGB1004JTBANL	MT-GLAZE 1M JA 1/4W
R631	RGF3302FTCANL	MT-GLAZE 33K FA 1/10W
R634	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R635	RGF2700FTCANL	MT-GLAZE 270 FA 1/10W
R636	RGB22R0JTBANL	MT-GLAZE 22 JA 1/4W
R637	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R638	RGB15R0JTBANL	MT-GLAZE 15 JA 1/4W
R639	RGB10R0JTBANL	MT-GLAZE 10 JA 1/4W
R640	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R641	RGB15R0JTBANL	MT-GLAZE 15 JA 1/4W
R642	RGB10R0JTBANL	MT-GLAZE 10 JA 1/4W
R644	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R646	RGF5600JTCANL	MT-GLAZE 560 JA 1/10W
R648	RXXAVA105JABN	RESISTER 1.0M JA 1/2W
R649	RGF3002JTCANL	MT-GLAZE 30K JA 1/10W
R660	RGB1802JTBANL	MT-GLAZE 18K JA 1/4W
R661	RGB33R0JTBANL	MT-GLAZE 33 JA 1/4W
R662	RGB33R0JTBANL	MT-GLAZE 33 JA 1/4W
R663	RGB10R0JTBANL	MT-GLAZE 10 JA 1/4W
R700	RGF2200FTCANL	MT-GLAZE 220 FA 1/10W
R702	RGF8201FTCANL	MT-GLAZE 8.2K FA 1/10W
R703	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R705	RGB1002JTBANL	MT-GLAZE 10K JA 1/4W
R706	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R707	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R708	RGF5601FTCANL	MT-GLAZE 5.6K FA 1/10W
R709	RGF6800FTCANL	MT-GLAZE 680 FA 1/10W
R710	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R711	RGB4700JTBANL	MT-GLAZE 470 JA 1/4W
R713	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R714	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R715	RGF3900FTCANL	MT-GLAZE 390 FA 1/10W
R716	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R717	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R718	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W

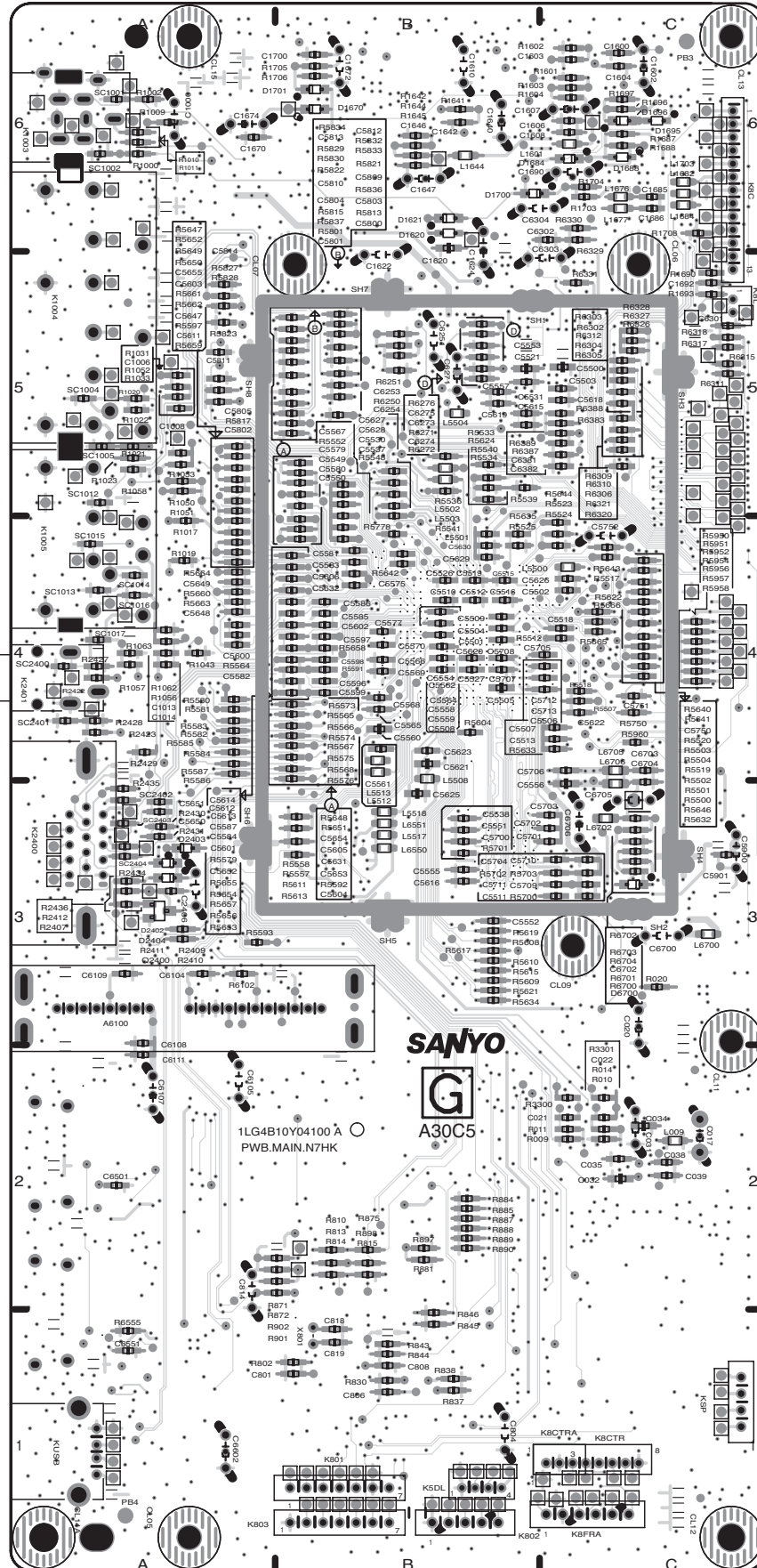
Schematic Location	Part No.	Description
R719	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R720	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R721	RGF1501JTCANL	MT-GLAZE 1.5K JA 1/10W
R722	RGF3002JTCANL	MT-GLAZE 30K JA 1/10W
R723	RGF1203JTCANL	MT-GLAZE 120K JA 1/10W
R724	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R725	RGF3901FTCANL	MT-GLAZE 3.9K FA 1/10W
R726	RGF3301JTCANL	MT-GLAZE 3.3K JA 1/10W
R727	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R728	RGF1201JTCANL	MT-GLAZE 1.2K JA 1/10W
R729	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R730	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R731	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R732	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R733	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R734	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R735	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R736	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R737	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R738	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R739	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R740	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R741	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R742	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R743	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R744	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R745	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R746	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R747	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R749	RN1R010FTDANL	MT-FILM 0.01 FA 1W
R750	RN1R010FTDANL	MT-FILM 0.01 FA 1W
R762	RGF3302FTCANL	MT-GLAZE 33K FA 1/10W
R765	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R766	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R767	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R768	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R769	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R770	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R771	RGB4701JTBANL	MT-GLAZE 4.7K JA 1/4W
R772	RGB6801JTBANL	MT-GLAZE 6.8K JA 1/4W
R773	RGB6801JTBANL	MT-GLAZE 6.8K JA 1/4W
R774	RGB6801JTBANL	MT-GLAZE 6.8K JA 1/4W
R775	RGB6801JTBANL	MT-GLAZE 6.8K JA 1/4W
R776	RGB6801JTBANL	MT-GLAZE 6.8K JA 1/4W

Schematic Location	Part No.	Description
<b>MISCELLANEOUS</b>		
A400	1AA0B10N29100	"ASSY,PWB,POWER N8LF"
F601	FFXLBB008CQ-J	FUSE 250V 4A
SC601	1AV4Z30B0270N	SURGE-ABSORBER
T601	1LB4L51B1820N	"TRANS,POWER,PULSE"
T602	1LB4L51B1830N	"TRANS,POWER,PULSE"
VA601	DVS14K385E2-N	VARISTOR S14K385E2
VA602	DVS14K385E2-N	VARISTOR S14K385E2

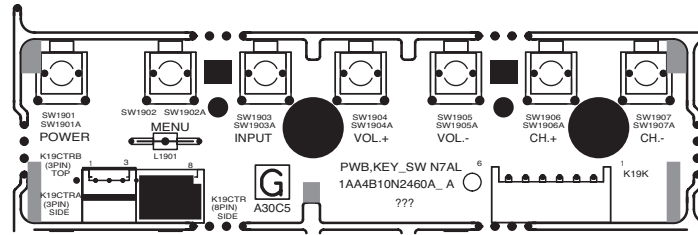
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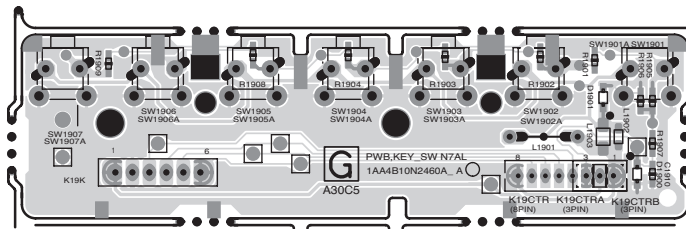
## MAIN BOARD SOLDER SIDE



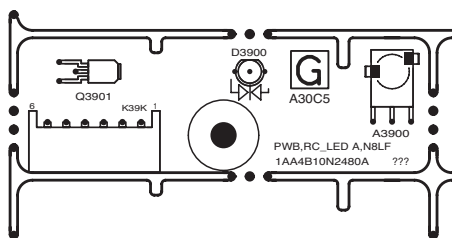
## CONTROL BOARD PART SIDE



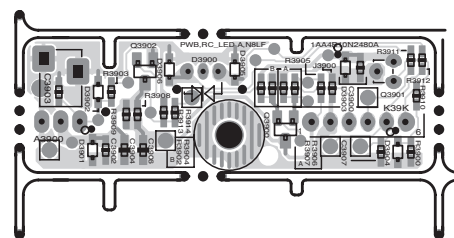
## CONTROL BOARD SOLDER SIDE



## PWB RC\_LED PART SIDE



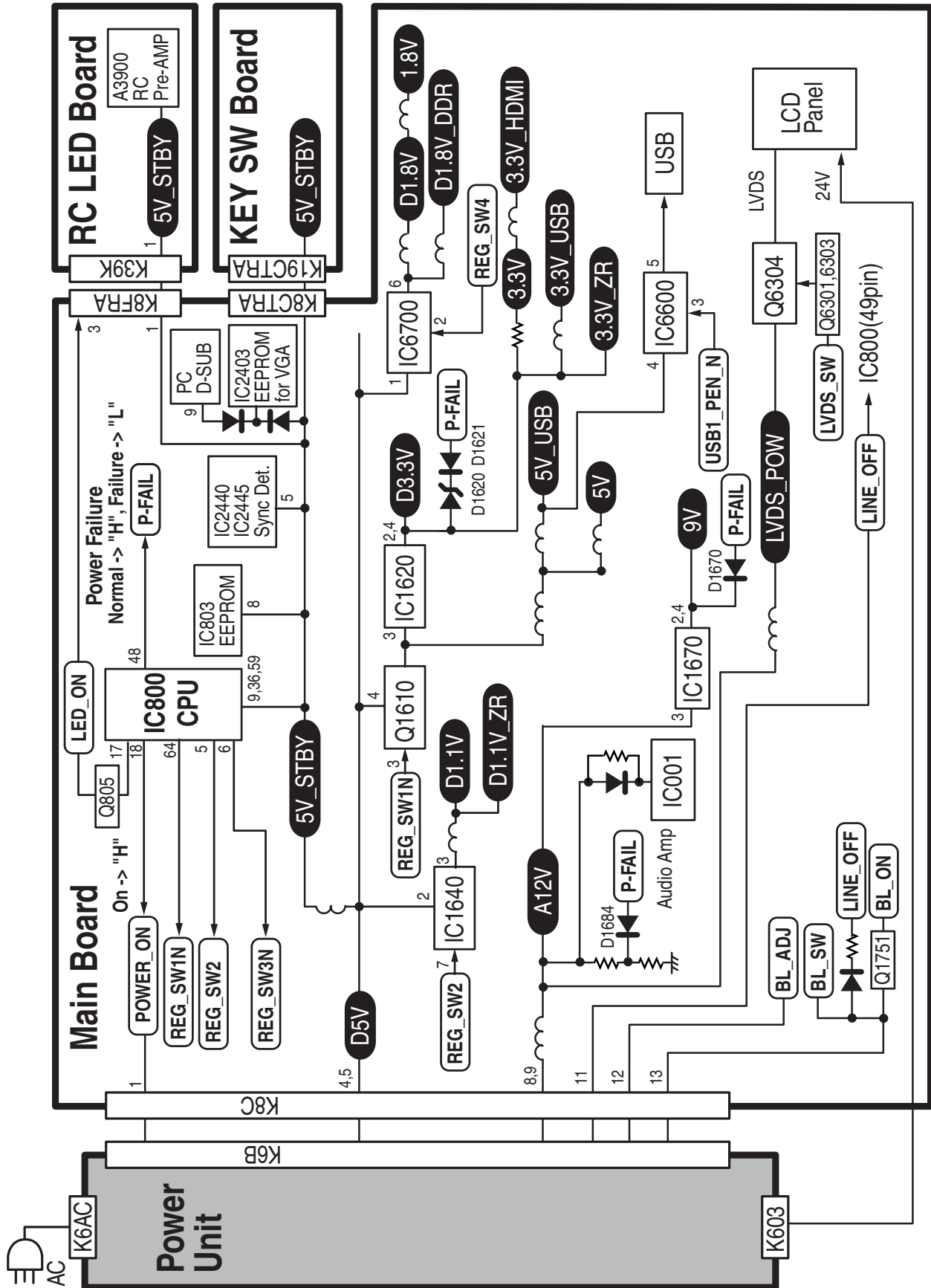
## PWB RC\_LED SOLDER SIDE





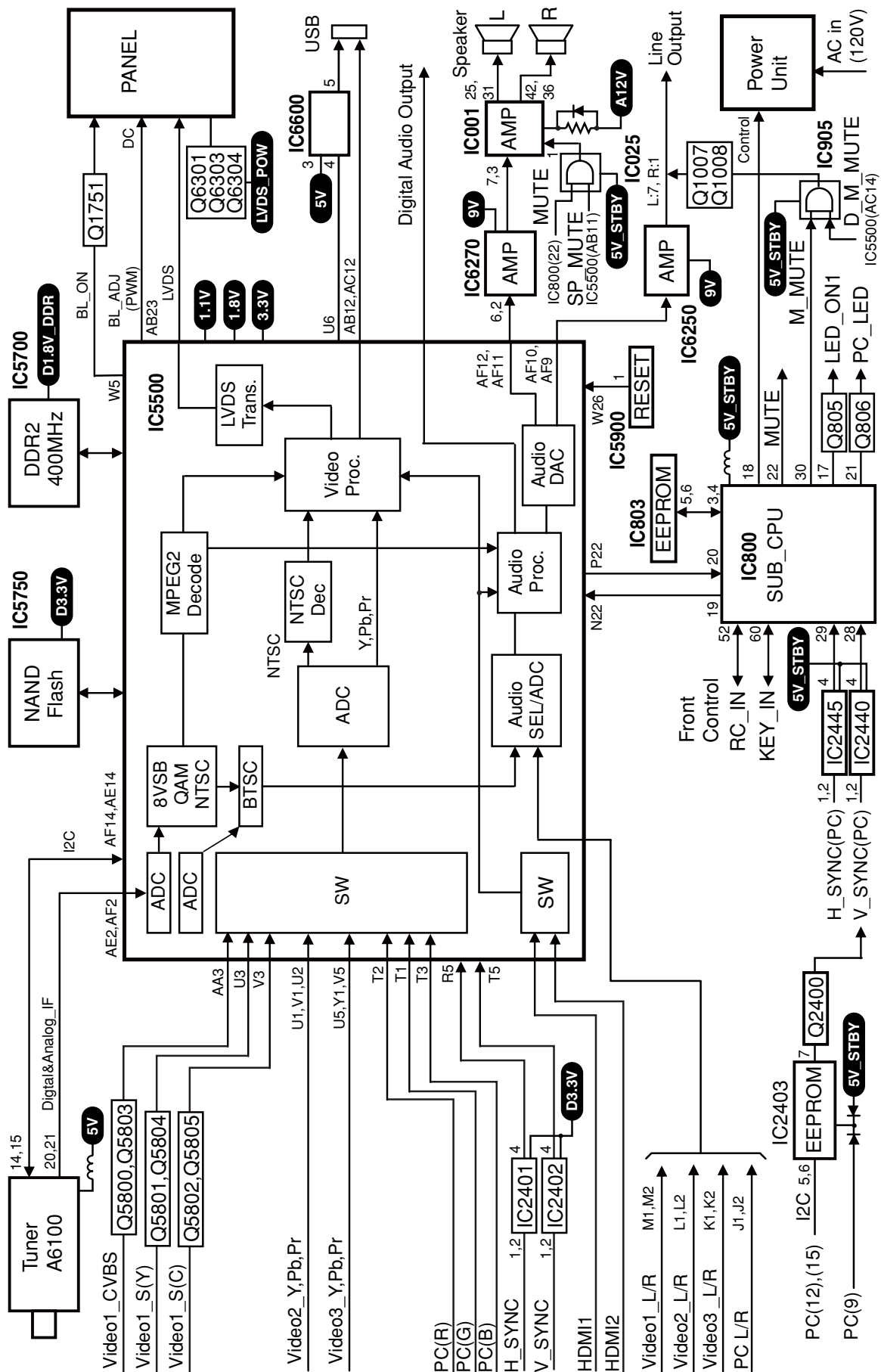


# BLOCK DIAGRAM POWER LINES



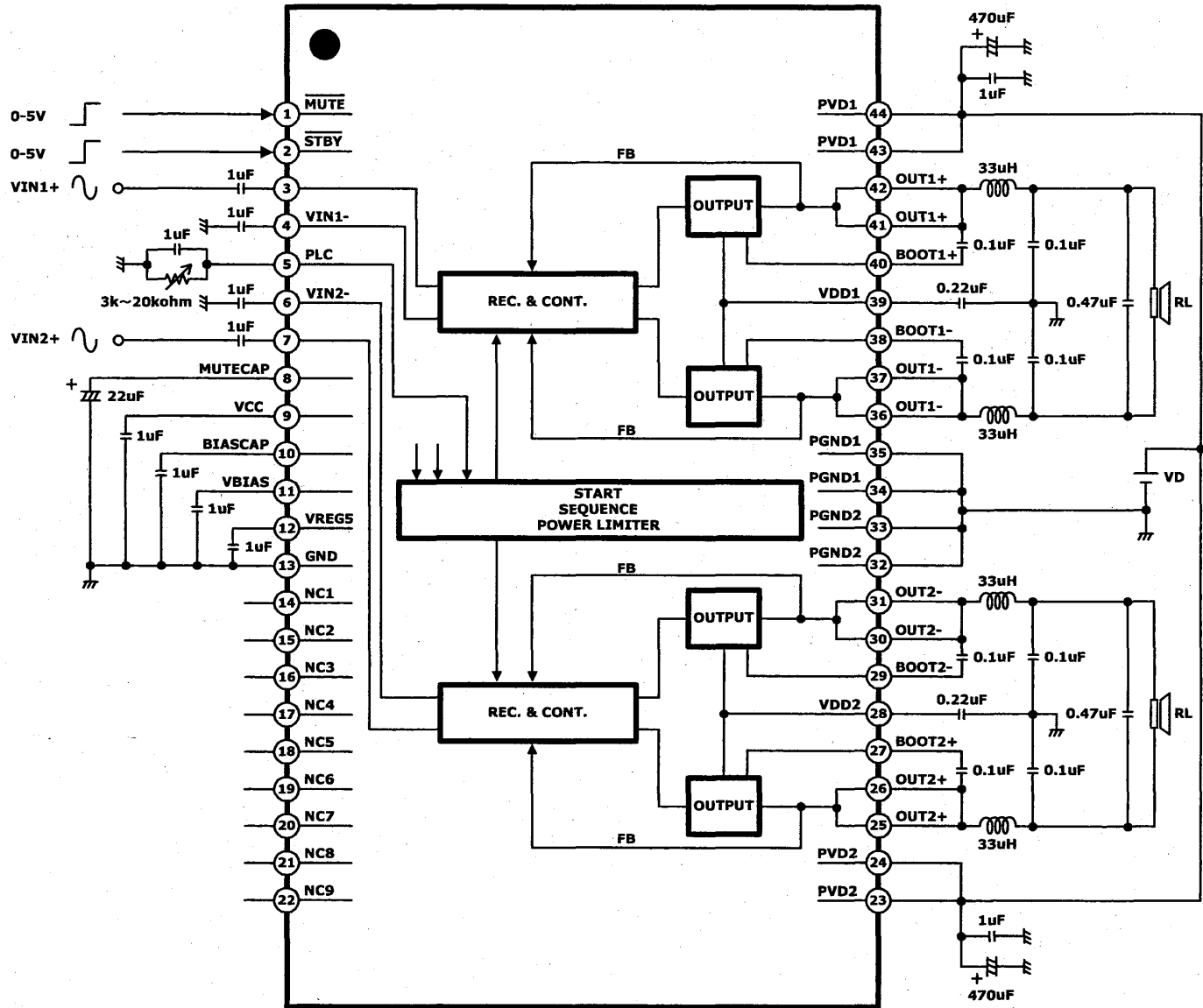


# BLOCK DIAGRAM SIGNAL LINES



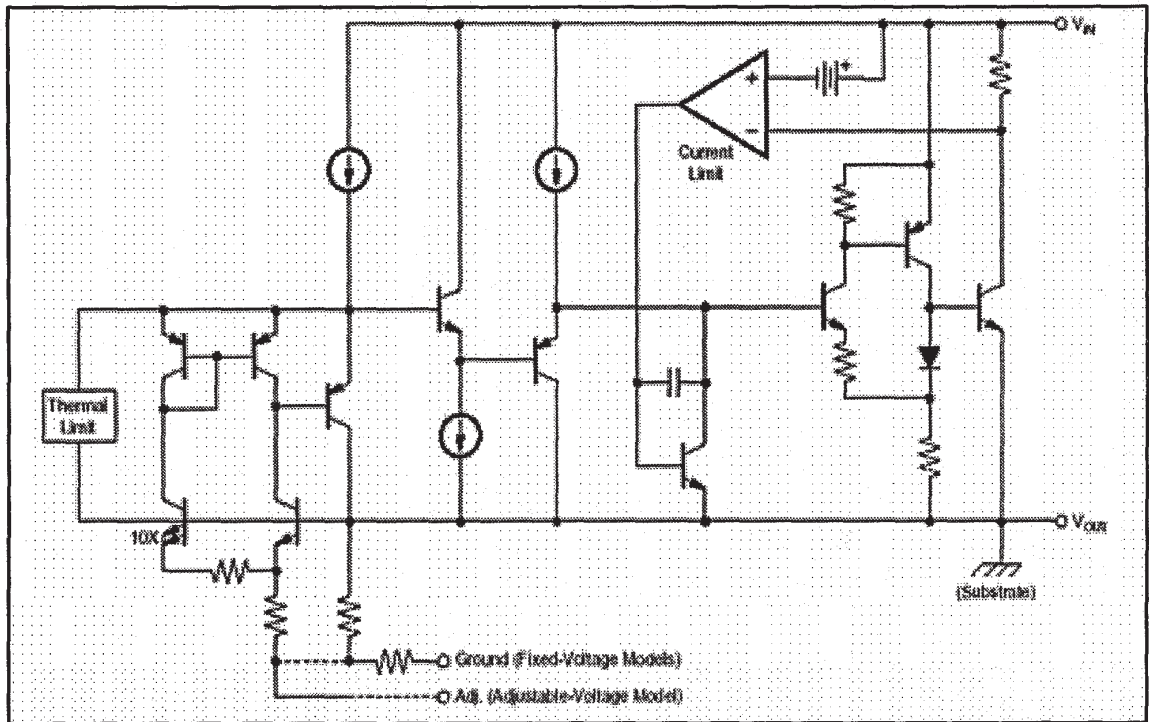
# IC BLOCK DIAGRAMS

## IC001, Audio AMP

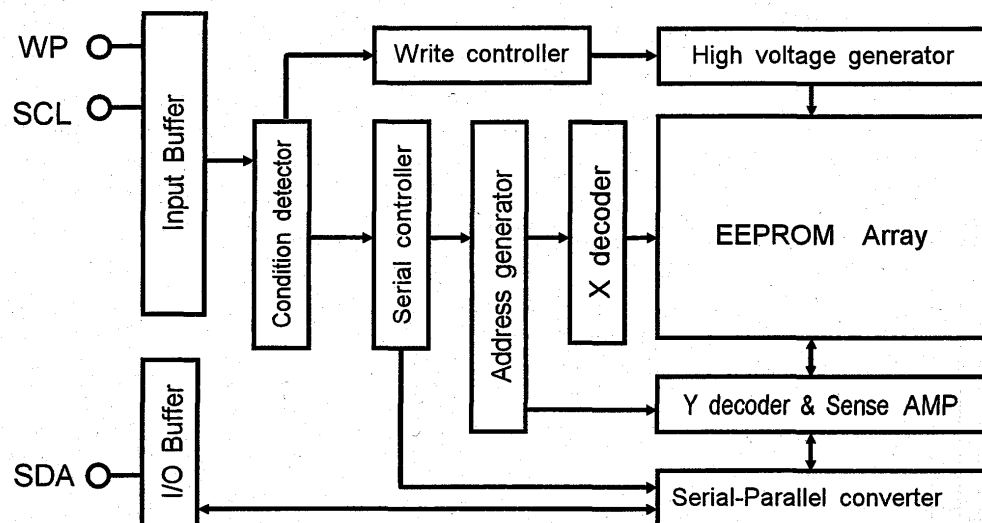


## IC BLOCK DIAGRAMS (CONT.)

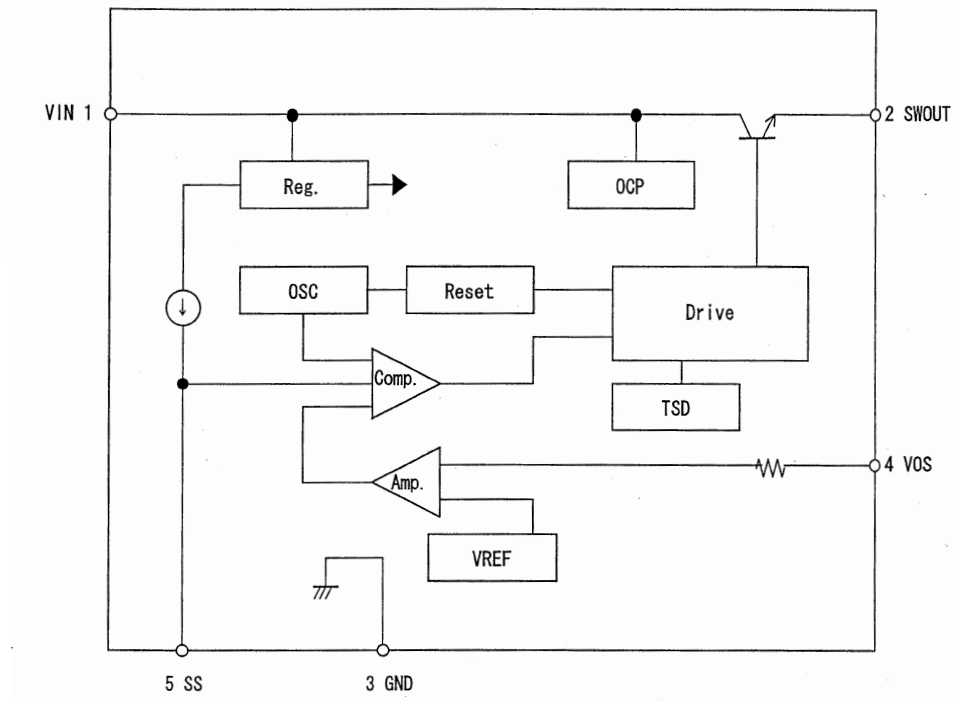
### IC1670 Voltage Regulator



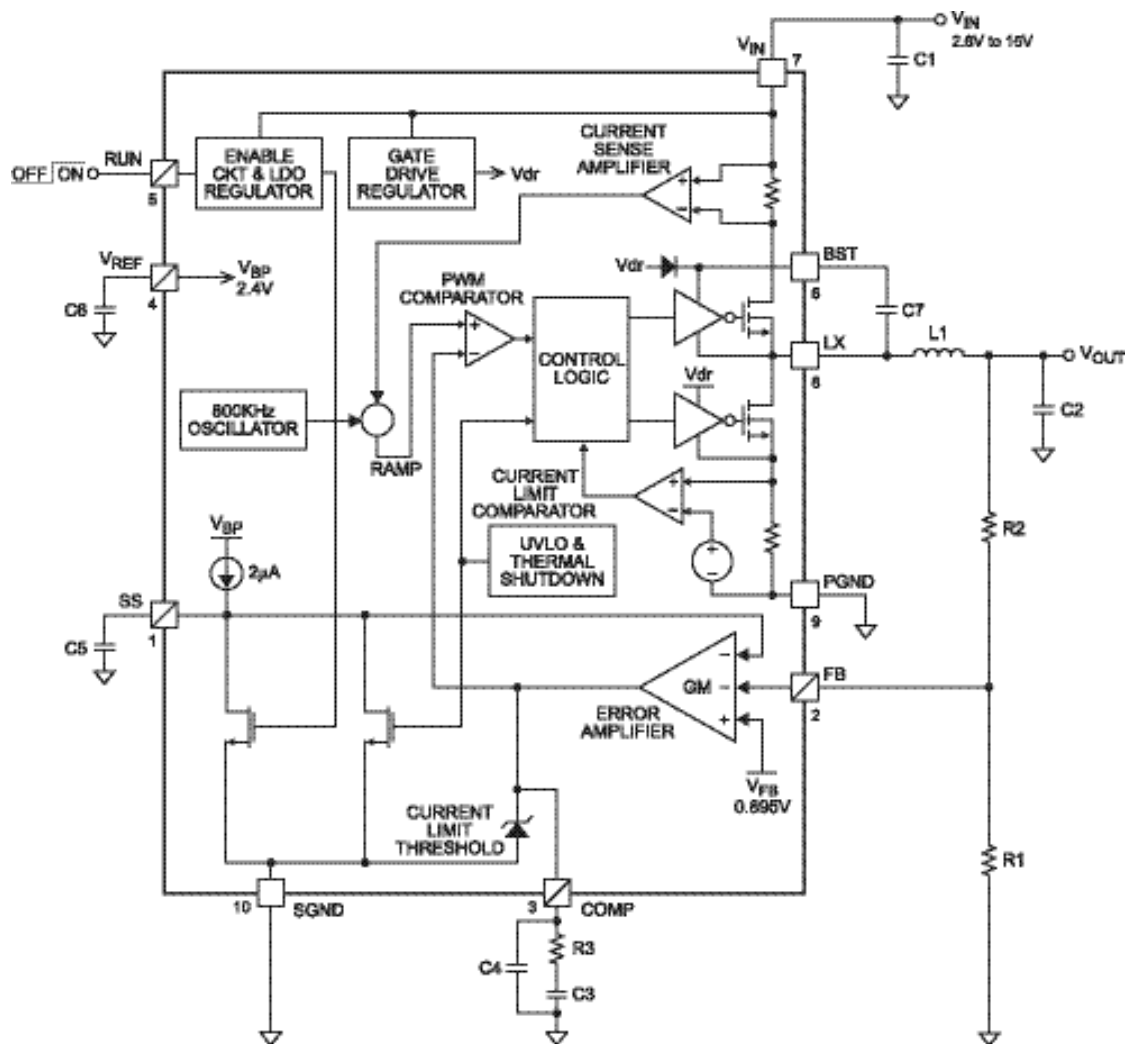
### IC803 EEPROM



## IC1680 DC to DC Regulator

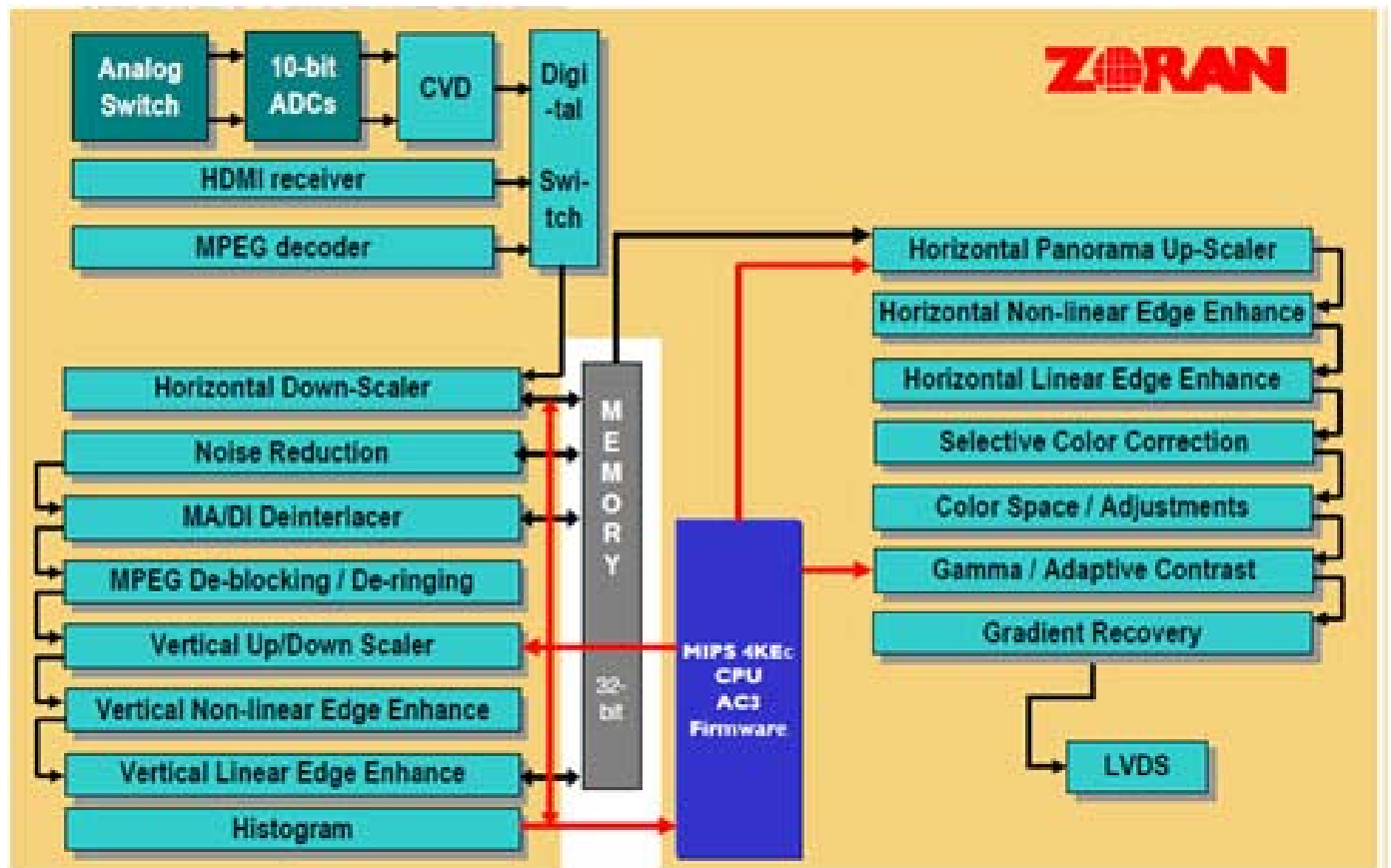


## IC1600, DC to DC Converter

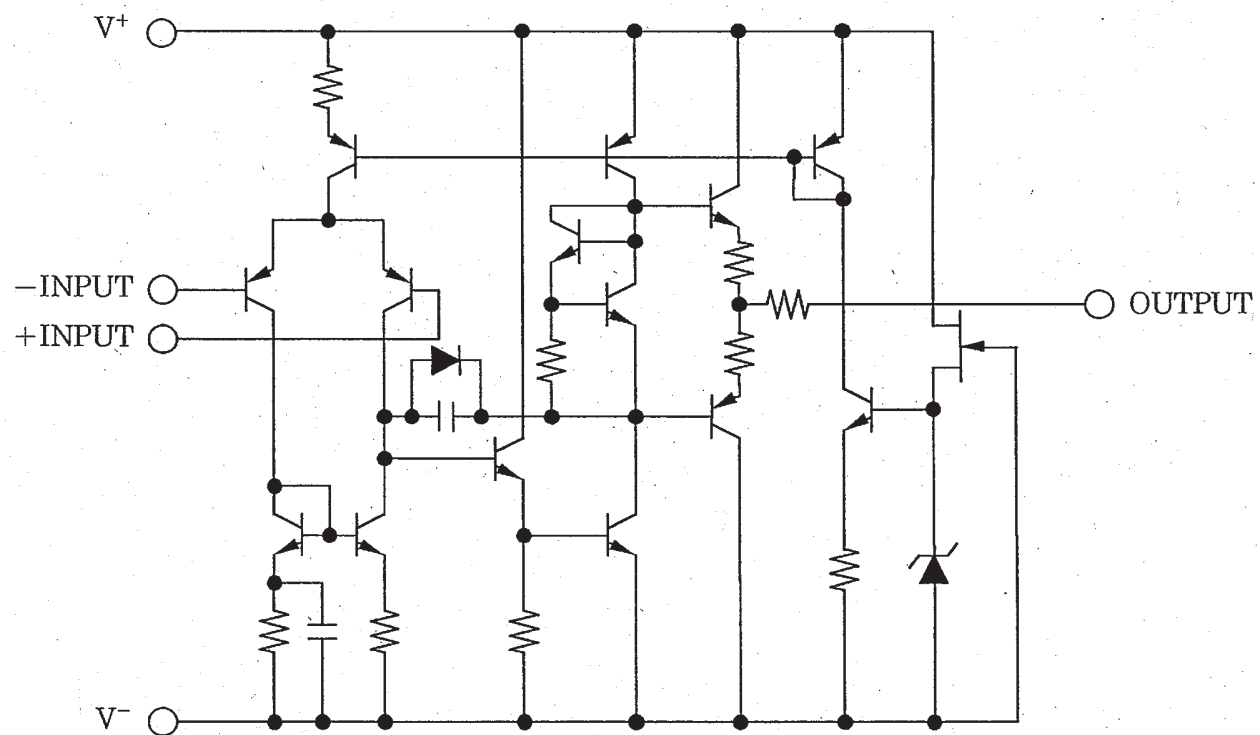


## IC BLOCK DIAGRAMS (CONT.)

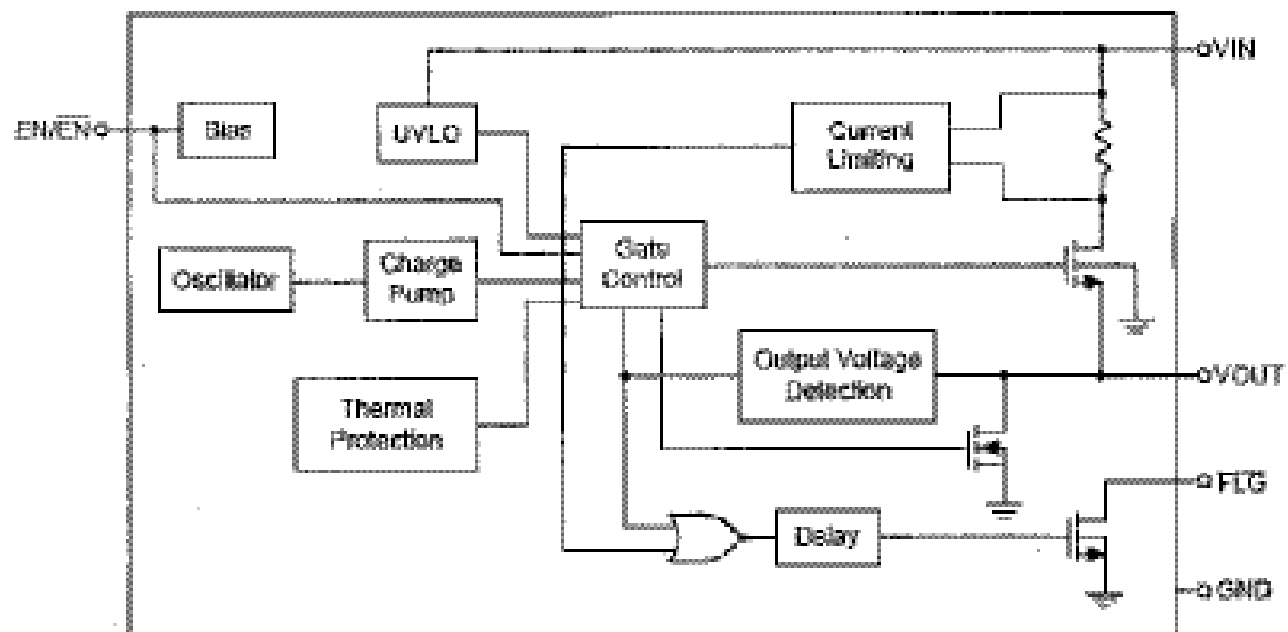
### IC5500 Video Processing



## IC6270, Low output Amplifier

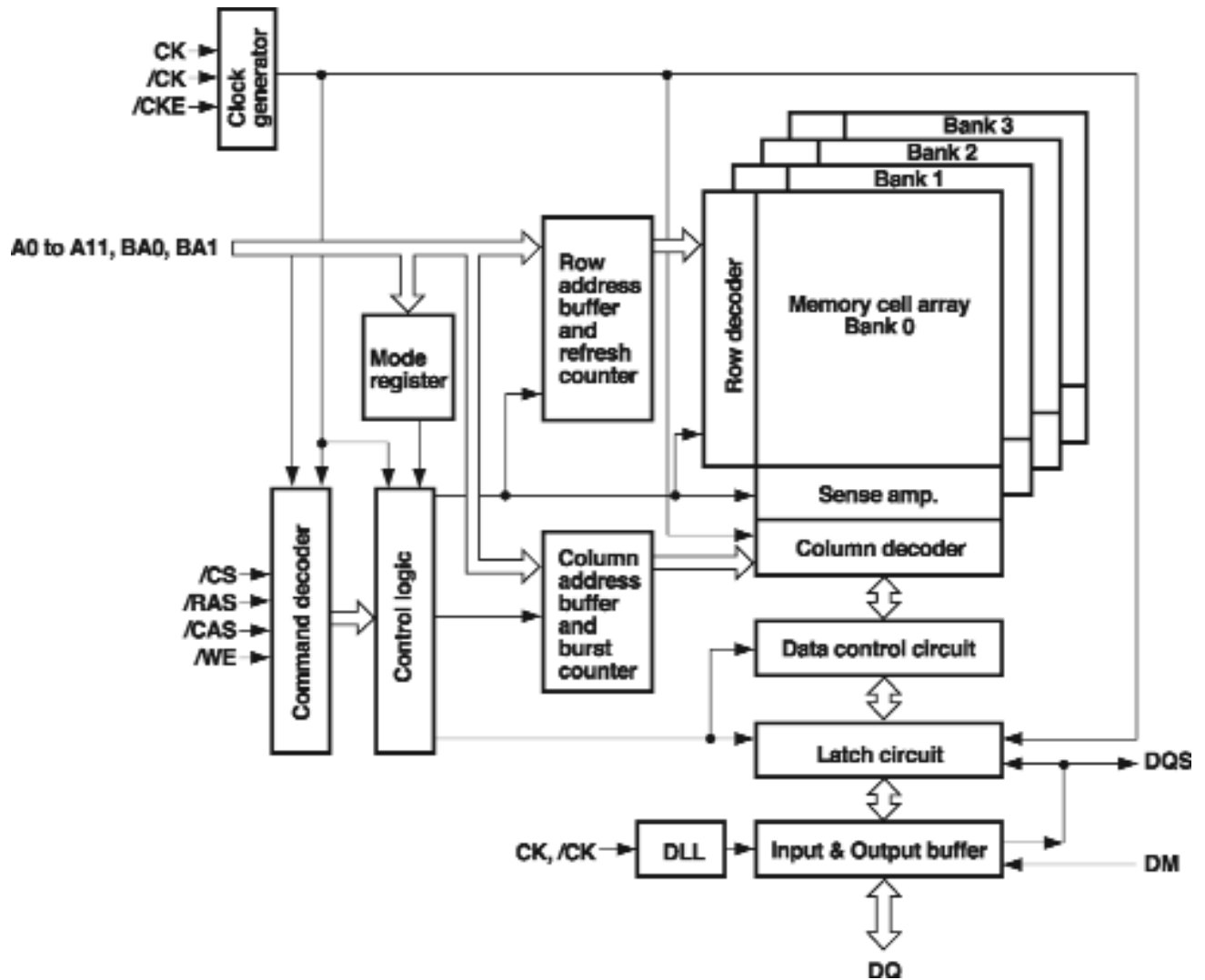


## IC6600, USB protection



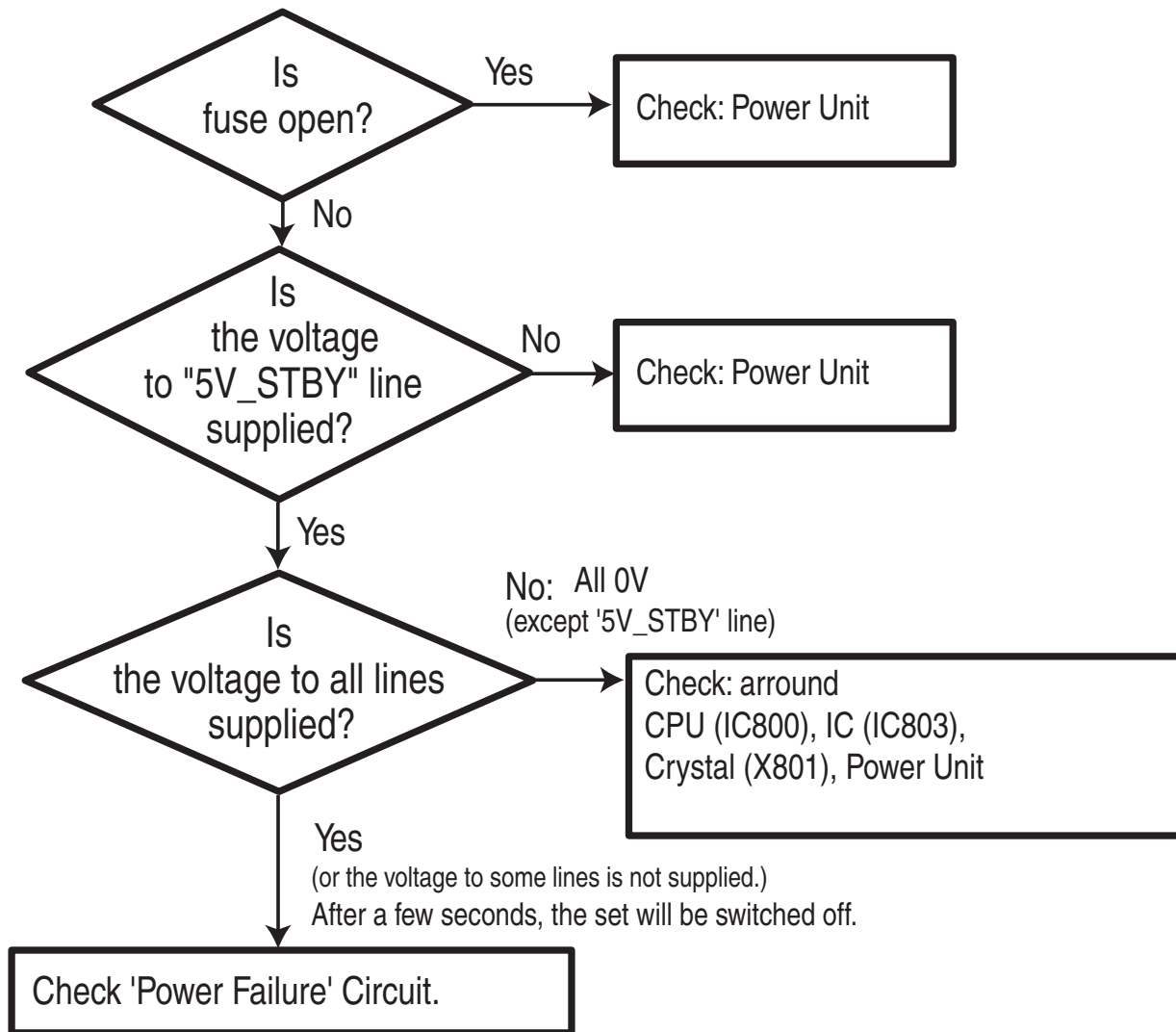
## IC BLOCK DIAGRAMS (CONT.)

### IC5700, DDR: Double Data Rate SDRAM



# TROUBLESHOOTING FLOW CHARTS

## NO POWER



## Power Failure Line

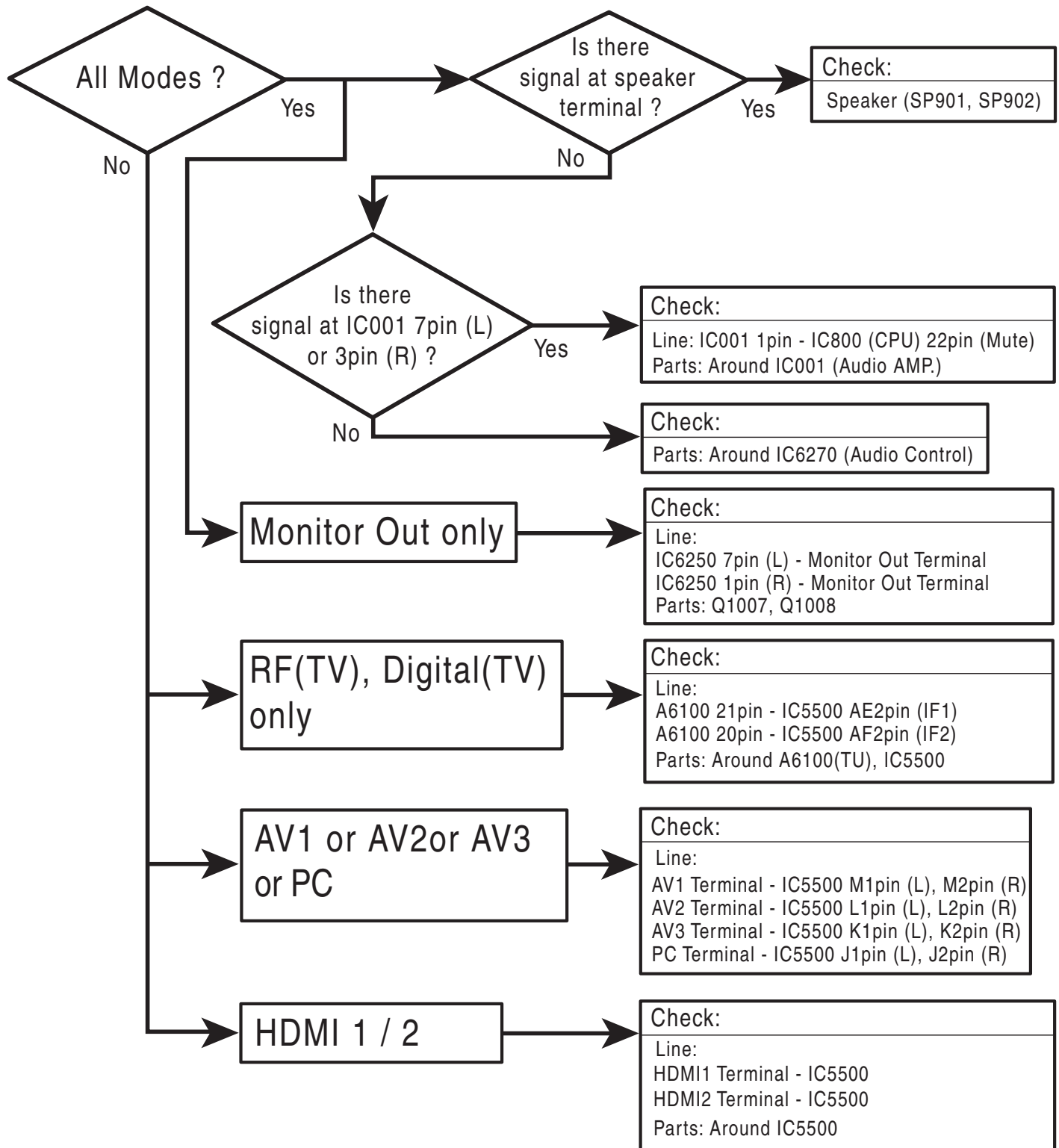
CPU (IC800) 48pin

Diod	Detected Voltage
D1670	9V
D1620/D1621	D3.3V
D1684	A12V



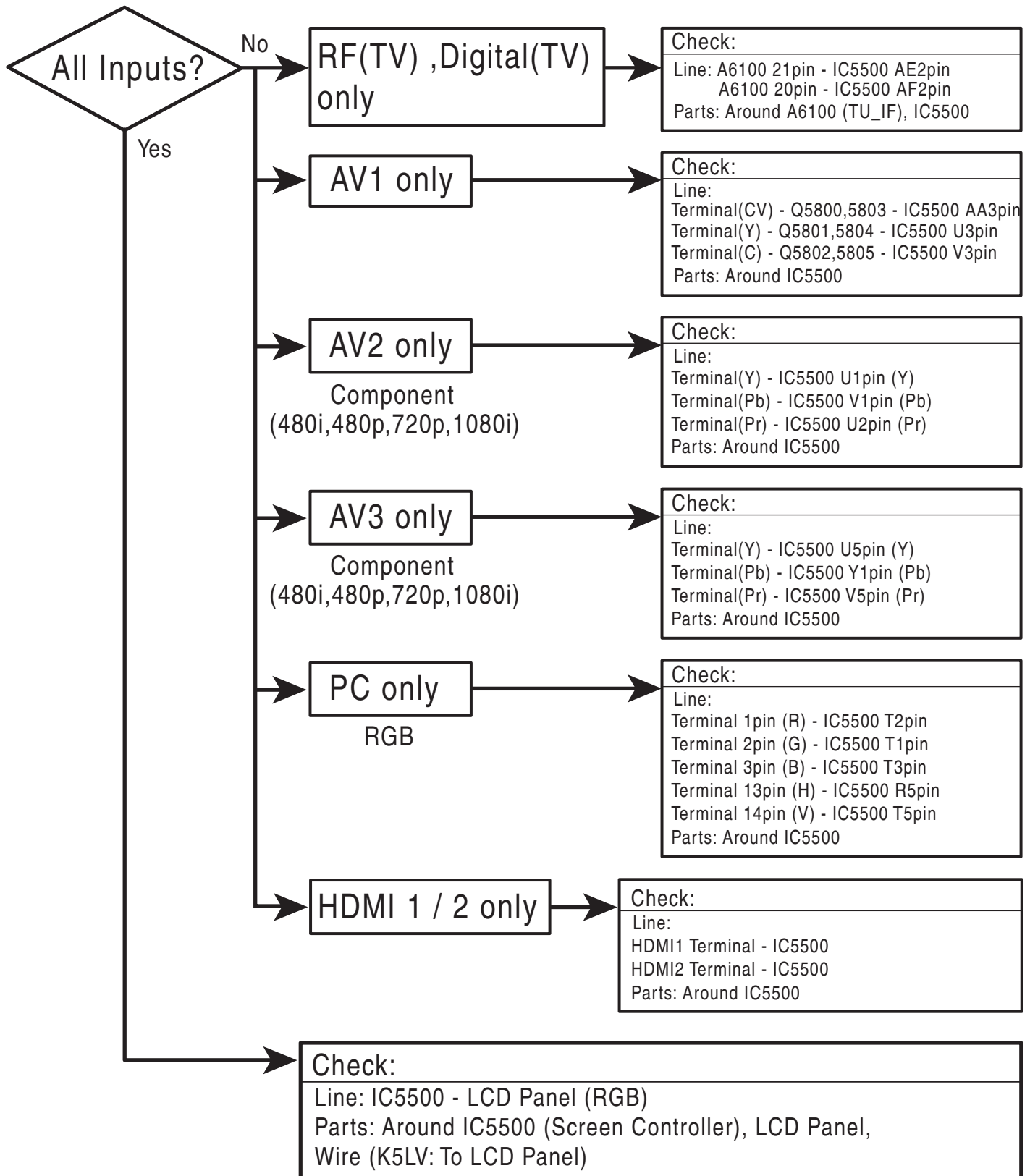
## TROUBLESHOOTING FLOW CHARTS (continued)

### NO AUDIO



## TROUBLESHOOTING FLOW CHARTS (continued)

NO VIDEO



# CONTROL PORT FUNCTIONS

## System Control (TV SUB CPU IC 801)

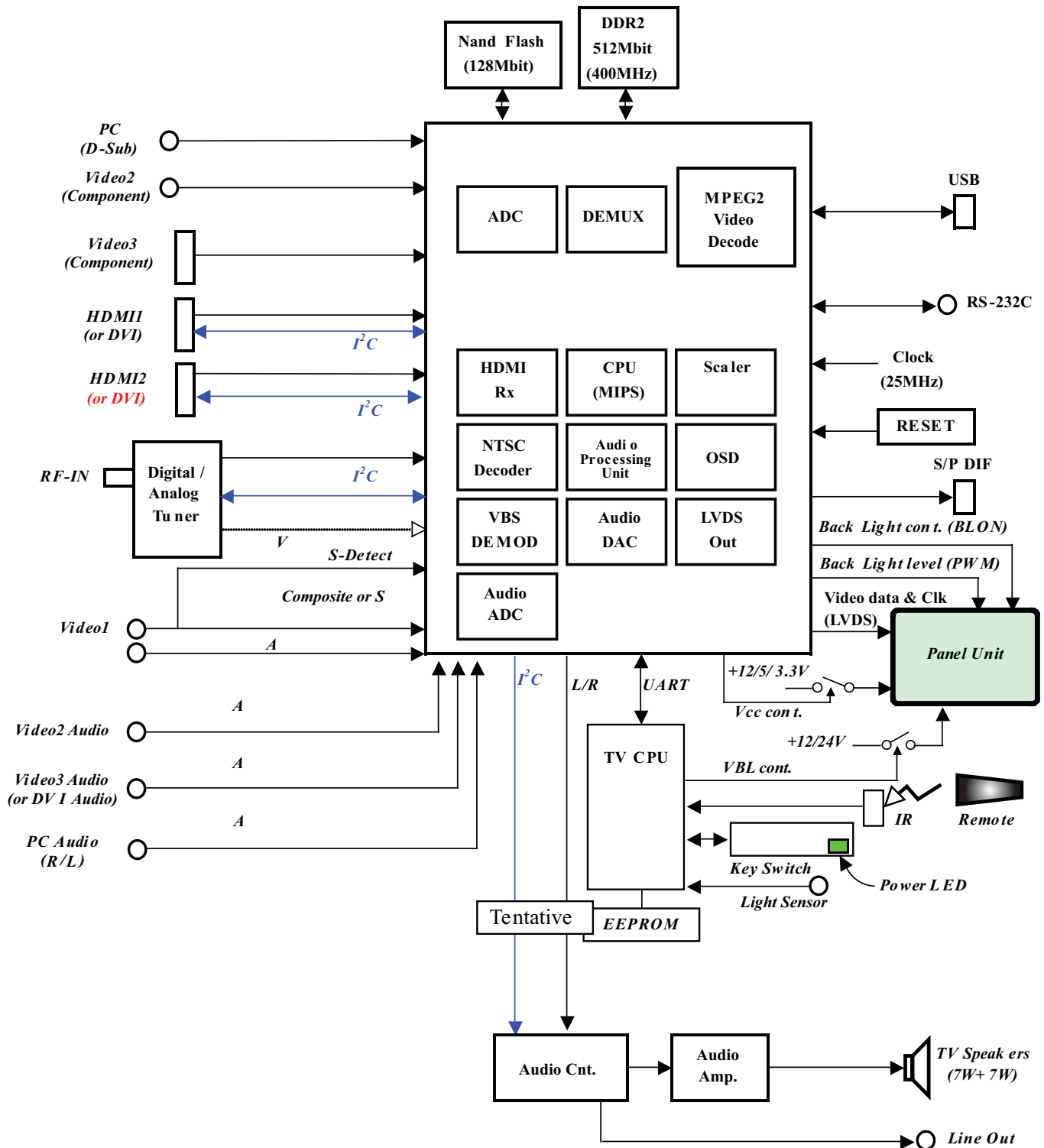
PIN	IC specification	Assignment	I/O	Explanation
1	P12/SCK0	REG SW4	OUT	REG SW4 (ON : High OFF : Low)
2	P13/SO1	REG SW5	OUT	no use (REG SW5)
3	P14/SI1/SB1	IIC-BUS for NV	I/O	Data of IIC Bus Active 'L' for IIC data NV
4	P15/SCK1	IIC-BUS for NV	OUT	Clock of IIC Bus Active 'L' for IIC clock NV
5	P16/T1PWML	REG SW2	OUT	REG SW2 (ON : High OFF : Low)
6	P17/T1PWMH/BUZ	REG SW3	OUT	REG SW3 (ON : Low OFF : High)
7	PWM2	illumination	OUT	no use (illumination LED output)
8	PWM3	no use	IN	no use (PWR DET)
9	VDD2	Power IN	IN	VDD2 (5Vdc±10%)
10	VSS2	Vss	IN	GND (0Vdc)
11	P00	Category2	IN	Hard option for category
12	P01	Category1	IN	Hard option for category
13	P02	Category0	IN	Hard option for category
14	P03	Panel Size2	IN	Hard option for panel size
15	P04	Panel Size1	IN	Hard option for panel size
16	P05/CKO	Panel Size0	IN	Hard option for panel size
17	P06/T6O	LED CNTRL	OUT	LED Control output for Power indicator
18	P07/T7O	TV Relay out	OUT	POWER Relay control output ON : High OFF : Low
19	P20/UTX/INT4/T1IN	UART OUT	OUT	Output of UART(Digital Module microcomputer pc. confidence )
20	P21/URX/INT4/T1IN	UART IN	IN	Input of UART (Digital Module microcomputer piece confidence)
21	P22/INT4/T1IN	PC Standby LED	OUT	LED control of PC Standby: High, Normal: Low
22	P23/INT4/T1IN	Audio MUTE	OUT	Audio Mute MUTE ON : Low OFF : High
23	P24/INT5/T1IN	Power Fail-2 IN	IN	LVDS Power Fail input for LCD model /(no used at PDP model: Setting output mode)
24	P25/INT5/T1IN	AMP STBY	OUT	AMP Standby control Stanby:Low Power on:High
25	P26/INT5/T1IN	HS DET	IN	"Detect H-Sync (Detect : High , PC Input)
26	P27/INT5/T1IN	VS DET	IN	"Detect V-Sync (Detect : High , PC Input)
27	PB7	RESET TV	OUT	RESET_TV for DM Watch Dog Timer
28	PB6	Boot SEL1	OUT	no use (Starting DM S/W download-SEL1 for US1T model)
29	PB5	Boot SEL2	OUT	no use (Starting DM S/W download-SEL2 for US1T model)
30	PB4	M OUT MUTE	OUT	MUTE ON Low OFF High
31	PB3	LINE OFF DET	OUT	no use (Detect LINE OFF output)
32	PB2	Reserve	OUT	Reserve (Set Low level)
33	PB1	Reserve	OUT	Reserve (Set Low level)
34	PB0	Solution	IN	High:42~ model Low:19~32 model
35	VSS3	Vss	IN	GND 0Vdc
36	VDD3	Power IN	IN	VDD3 (5Vdc±10%)
37	PC7	DBGP2	IN	Terminal for De-Bug 3
38	PC6	DBGP1	I/O	Terminal for De-Bug 2
39	PC5	DBGP0	I/O	Terminal for De-Bug 1
40	PC4	CLK	OUT	Writing on bord (CLK)
41	PC3	DATA0	I/O	Writing on bord (DATA0)
42	PC2	ENA/DATA1	I/O	Writing on bord (ENA / DATA1)
43	PC1	Ack out	OUT	Ack output for factory mode
44	PC0	STATUS in	IN	Status input for factory mode
45	AN6	sensor in	IN	light sensor input
46	P85	Reserve	OUT	(OPEN) (Set Low level)
47	P84	Panel Alarm	IN	no use (Panel Alarm)
48	AN3	Power Fail-1 IN	IN	TV Power Error(3.6V less) / Others (3.6V over)
49	P70/INT0/T0LCP	LINE OFF	IN	Detect AC Voltage Reduction (Normal : High)
50	P71/INT1/T0HCP	CEC input	IN	no use (CEC input)

PIN	IC specification	Assignment	I O	Explanation
51	P72/INT2/T0IN	CEC output	OUT	no use (CEC output)
52	P73/INT3/T0IN	Rcin	IN	Remote control signal input
53	RES	RESET in	IN	CPU Reset input RESET : Low (and for on-board write)
54	XT1	Xin	IN	32.678KHz X'tal input (for clock timer)
55	XT2	Xout	OUT	32.678KHz X'tal output (for clock timer)
56	VSS1	Vss	IN	GND (0Vdc)
57	CF1/AN12	Xti	IN	Main clock input (8MHz ceramic oscillator)
58	CF2/AN13	Xto	OUT	Main clock output (8MHz ceramic oscillator)
59	VDD1	Power IN	IN	VDD1 (5Vdc±10%)
60	AN0	Key in	IN	Panel switch input
61	AN1	Reserve	IN	no use GND
62	P82	PANEL READY	IN	no use (Panel Ready for PDP)
63	P10	VS-ON	OUT	no use (VS-ON for PDP)
64	P11	REG SW1	OUT	REG SW1 (ON : Low OFF : High)

<Table A>




28pin(SEL1)	29pin(SEL2)	Operation
High	High	USB download
High	Low	Starting Bank1
Low	High	Starting Bank2
Low	Low	Normal

# Zoran 772 Peripherals



# SCHEMATIC NOTES

## NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in  $\mu\text{F}$  (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an \* may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line. Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.  
The schematic symbols and part descriptions are correct and should be used.  
The part descriptions will be listed under the location number in the parts list.





### ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

### **SERVICE NOTES:**

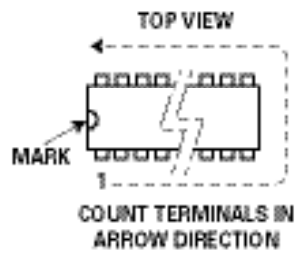
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

### PRODUCT SAFETY NOTICE

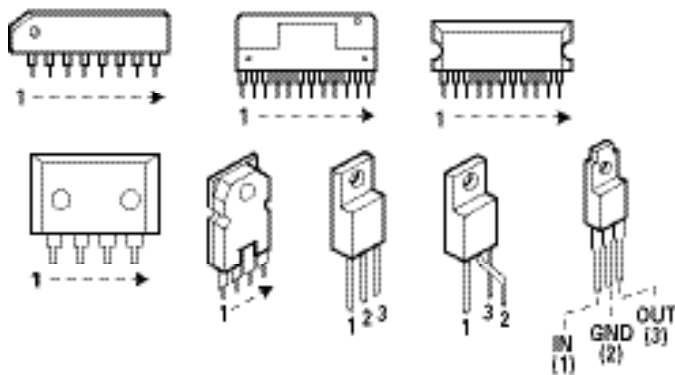
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

# IC, DIODE, AND TRANSISTOR PIN LAYOUTS

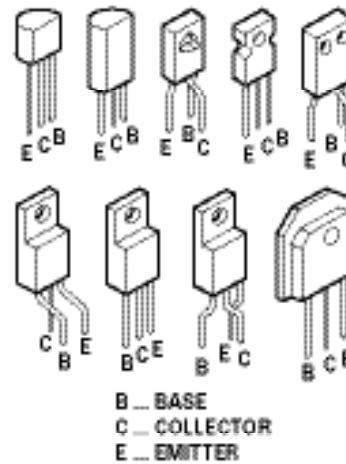
## INTEGRATED CIRCUITS



### SIDE VIEW

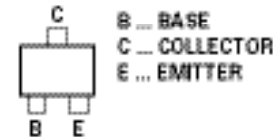


## TRANSISTORS

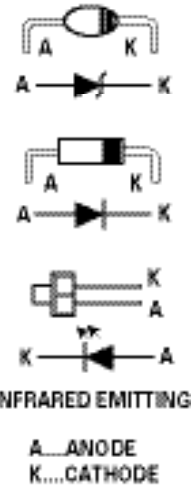


## CHIP TRANSISTORS

### TOP VIEW

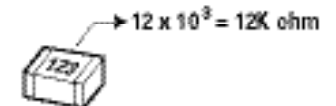


## DIODES

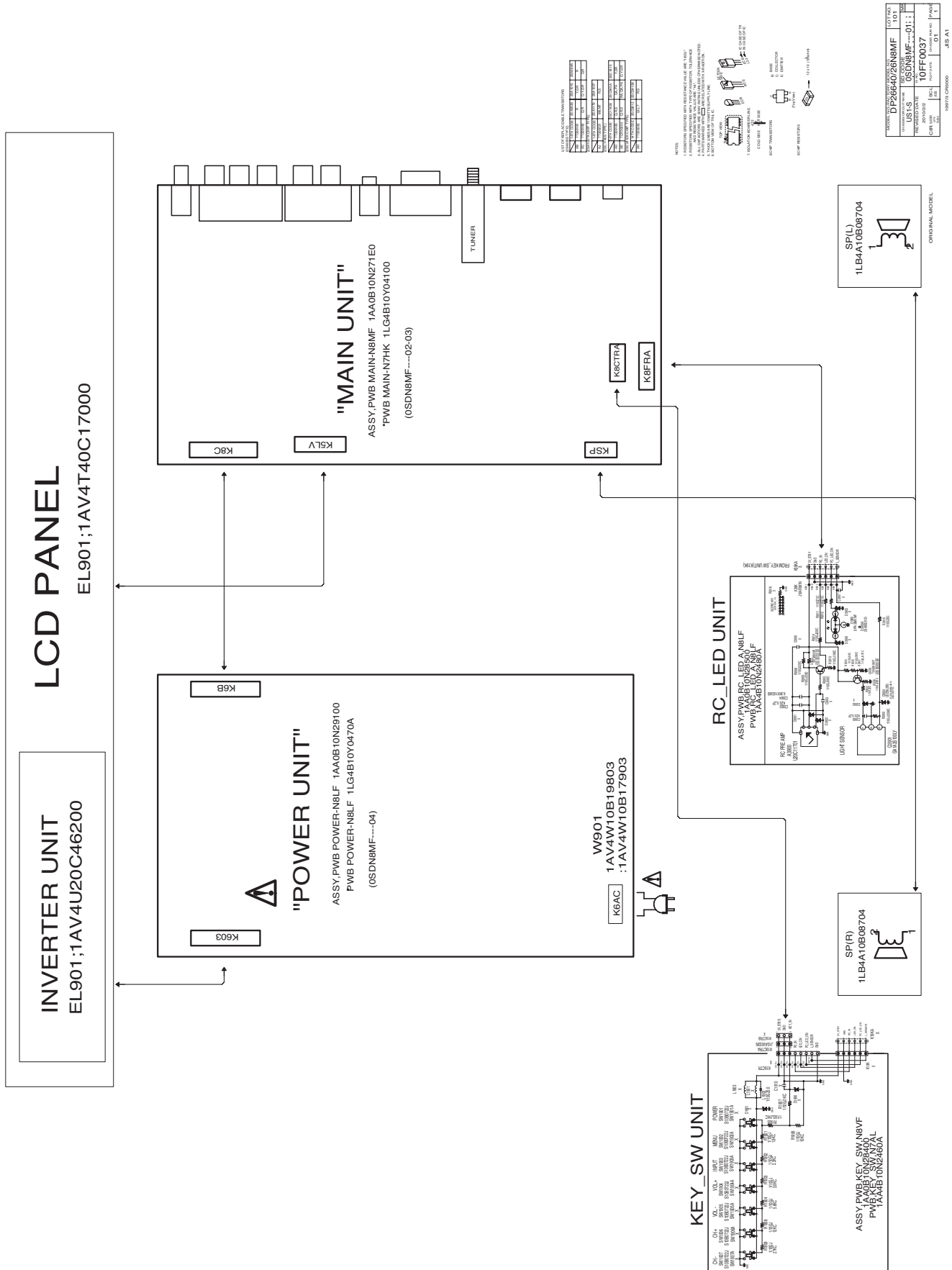


## CHIP RESISTORS

### TOP VIEW



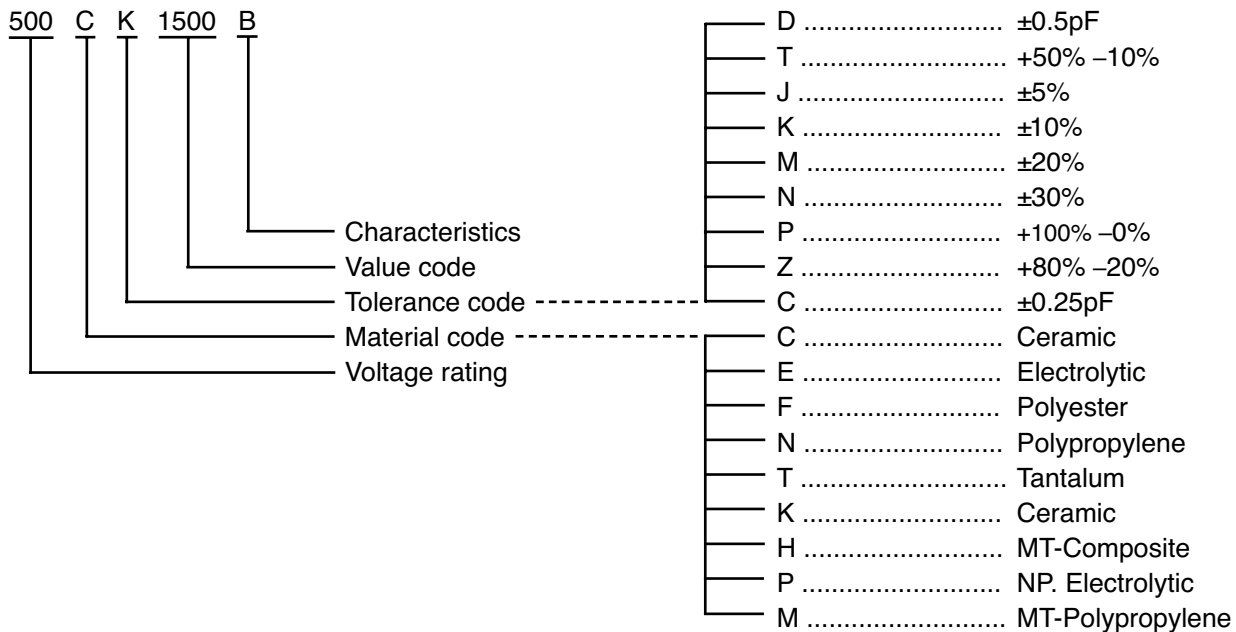
# PC BOARD CONNECTIONS AND LOCATIONS



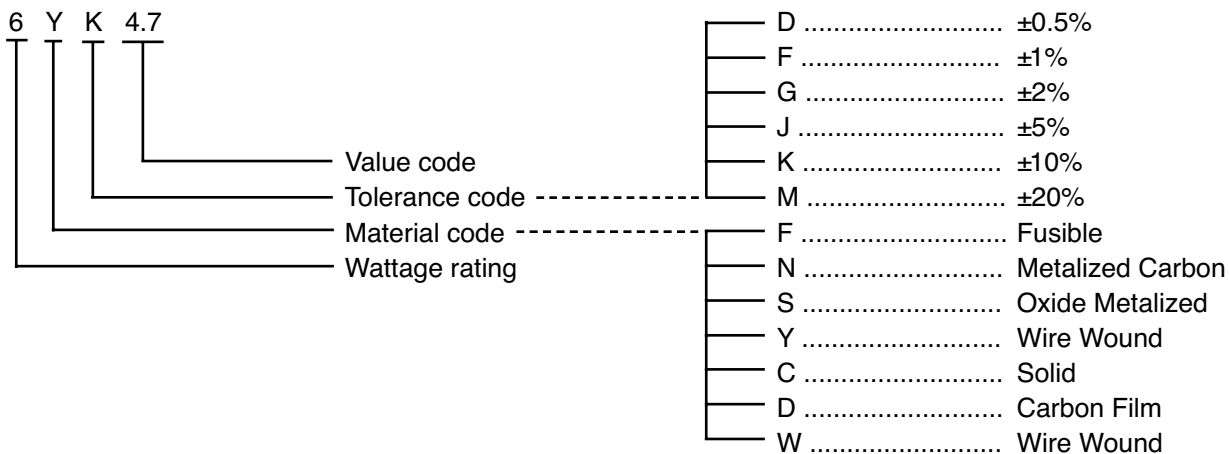


# CAPACITOR AND RESISTOR CODE CHART

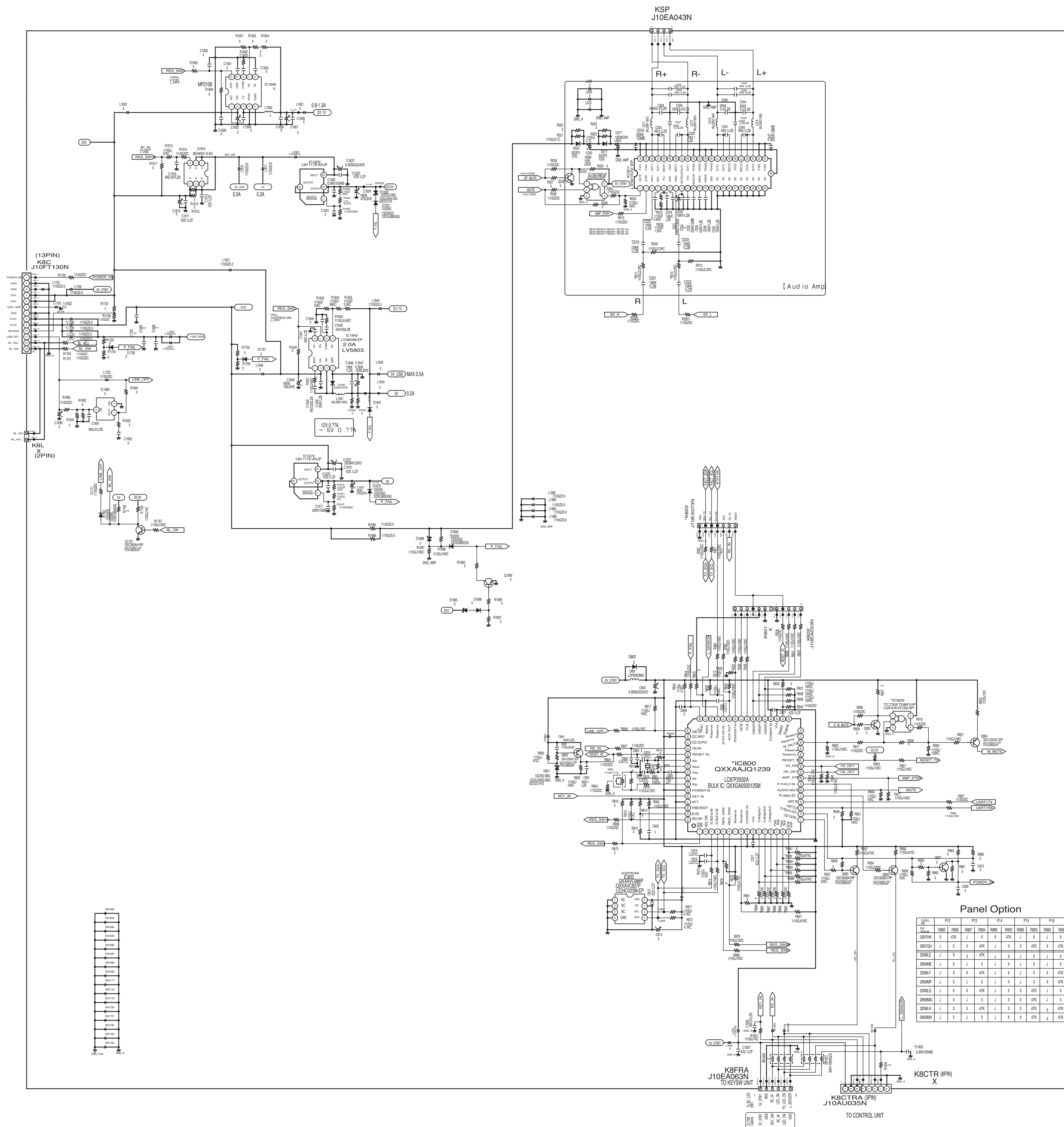
## CAPACITOR (Example)



## RESISTOR (Example)



For parts or service contact  
**Sanyo Manufacturing Corporation**  
**P.O. Box 2000**  
**3333 Sanyo Road**  
**Forrest City, Arkansas 72335-2000**



ASSY,PWB,MAIN Z-N8MF 1AA0B10N271E0  
PWB.MAIN,N7HK 1LG4B10Y04100

MODEL NO./FACTORY MODEL NO. DP26640/26-N8MF		LOT NO. 101	
CHASSIS/CIRCUIT NAME US1-S	SD CODE OSDN8MF----02	MR A	
REVISED DATE 2010/2/16	ET NO. 10FF0047		
CIR 150208 0214 110403 150207/0201/02	SCL 1.0	PLOT DATE 01	PAGE 2

1997/3 CR5000

JIS A1



# MODEL DP26640 Chassis No. P26640-01 SCHEMATIC DIAGRAMS

